

- 2-[(1-{4-[3-cyano-1-(4-methoxyphenyl)-7-oxo-1,4,5,7-tetrahydro-6H-pyrazolo[3,4-c]pyridin-6-yl]phenyl}cyclopropyl)oxy]acetamide;
- 5 1-{4-[3-cyano-1-(4-methoxyphenyl)-7-oxo-1,4,5,7-tetrahydro-6H-pyrazolo[3,4-c]pyridin-6-yl]phenyl}cyclopropyl carbamate;
- 10 2-(1-{4-[3-cyano-1-(4-methoxyphenyl)-7-oxo-1,4,5,7-tetrahydro-6H-pyrazolo[3,4-c]pyridin-6-yl]phenyl}cyclopropyl)acetamide;
- 15 2-(1-{4-[3-cyano-1-(4-methoxyphenyl)-7-oxo-1,4,5,7-tetrahydro-6H-pyrazolo[3,4-c]pyridin-6-yl]phenyl}cyclopropyl)-N,N-dimethylacetamide;
- 20 1-(4-methoxyphenyl)-6-{4-[1-(methylamino)cyclopropyl]phenyl}-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 6-{4-[1-(dimethylamino)cyclopropyl]phenyl}-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 25 1-(4-methoxyphenyl)-7-oxo-6-{4-[1-(1,3-thiazol-2-ylamino)cyclopropyl]phenyl}-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 30 N-(1-{4-[3-cyano-1-(4-methoxyphenyl)-7-oxo-1,4,5,7-tetrahydro-6H-pyrazolo[3,4-c]pyridin-6-yl]phenyl}cyclopropyl)urea;
- 35 N-(1-{4-[3-cyano-1-(4-methoxyphenyl)-7-oxo-1,4,5,7-tetrahydro-6H-pyrazolo[3,4-c]pyridin-6-yl]phenyl}cyclopropyl)-N'-methylurea;

- N*-(1-(4-[3-cyano-1-(4-methoxyphenyl)-7-oxo-1,4,5,7-tetrahydro-6*H*-pyrazolo[3,4-*c*]pyridin-6-yl]phenyl)cyclopropyl)-2-methylpropanamide;
- 5 6-(4-{1-[(4-hydroxy-1-piperidinyl)methyl]cyclopropyl}phenyl)-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carbonitrile;
- 10 1-(4-methoxyphenyl)-6-(4-{1-[(2-methyl-5,6-dihydro-1(4*H*)-pyrimidinyl)methyl]cyclopropyl}phenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carbonitrile;
- 15 1-(4-methoxyphenyl)-6-(4-{1-[(2-methyl-4,5-dihydro-1*H*-imidazol-1-yl)methyl]cyclopropyl}phenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carbonitrile;
- 20 6-{4-[1-(4,5-dihydro-1,3-oxazol-2-ylmethyl)cyclopropyl]phenyl}-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carbonitrile;
- 25 6-{4-[1-(4,5-dihydro-1*H*-imidazol-2-ylmethyl)cyclopropyl]phenyl}-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carbonitrile;
- 30 1-(4-methoxyphenyl)-6-(4-{1-[(1-methyl-4,5-dihydro-1*H*-imidazol-2-yl)methyl]cyclopropyl}phenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carbonitrile;
- 35 1-(4-methoxyphenyl)-7-oxo-6-(4-{1-[(1,3-thiazol-2-ylamino)methyl]cyclopropyl}phenyl)-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carbonitrile;

1-(4-methoxyphenyl)-6-(4-{1-[(2-methyl-1*H*-imidazol-1-yl)methyl]cyclopropyl}phenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carbonitrile;

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1-(4-methoxyphenyl)-6-{4-[1-methyl-1-(2-oxo-1-pyrrolidinyl)ethyl]phenyl}-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;

10 1-(4-methoxyphenyl)-6-{4-[1-methyl-1-(2-oxo-1-piperidinyl)ethyl]phenyl}-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;

15 6-{4-[1,1-dimethyl-2-(2-oxo-1-piperidinyl)ethyl]phenyl}-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;

20 6-{4-[1,1-dimethyl-2-(2-oxo-1-pyrrolidinyl)ethyl]phenyl}-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;

25 6-{4-[1,1-dimethyl-2-(3-oxo-4-morpholinyl)ethyl]phenyl}-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;

6-{4-[1,1-dimethyl-2-(2-oxo-1-piperazinyl)ethyl]phenyl}-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;

30 6-{4-[1,1-dimethyl-2-(2-oxotetrahydro-1(2*H*)-pyrimidinyl)ethyl]phenyl}-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;

- 6-{4-[1,1-dimethyl-2-(2-oxodihydro-2*H*-1,3-oxazin-3(4*H*)-yl)ethyl]phenyl}-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;
- 5 1-{4-[3-(aminocarbonyl)-1-(4-methoxyphenyl)-7-oxo-1,4,5,7-tetrahydro-6*H*-pyrazolo[3,4-*c*]pyridin-6-yl]phenyl}-1-methylethyl methylcarbamate;
- 10 1-{4-[3-(aminocarbonyl)-1-(4-methoxyphenyl)-7-oxo-1,4,5,7-tetrahydro-6*H*-pyrazolo[3,4-*c*]pyridin-6-yl]phenyl}-1-methylethyl 3-pyrrolidinylcarbamate;
- 15 6-{4-[1-ethyl-1-(1-pyrrolidinylmethyl)propyl]phenyl}-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;
- 20 6-(4-{1-[(dimethylamino)methyl]-1-ethylpropyl}phenyl)-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;
- 1-[3-(aminomethyl)phenyl]-6-{4-[1,1-dimethyl-2-(1-pyrrolidinyl)ethyl]phenyl}-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;
- 25 1-[3-(aminomethyl)phenyl]-6-{4-[2-(dimethylamino)-1,1-dimethylethyl]phenyl}-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;
- 30 1-[3-(aminocarbonyl)phenyl]-6-{4-[2-(dimethylamino)-1,1-dimethylethyl]phenyl}-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;
- 35 1-[3-(aminocarbonyl)phenyl]-6-{4-[1,1-dimethyl-2-(1-pyrrolidinyl)ethyl]phenyl}-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;

- 1-(3-amino-1,2-benzisoxazol-5-yl)-6-{4-[1,1-dimethyl-2-(1-pyrrolidinyl)ethyl]phenyl}-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxamide;
- 5 1-(3-amino-1,2-benzisoxazol-5-yl)-6-{4-[1,1-dimethyl-2-(1-pyrrolidinyl)ethyl]phenyl}-3-(trifluoromethyl)-1,4,5,6-tetrahydro-7H-pyrazolo[3,4-c]pyridin-7-one;
- 10 1-(1-amino-7-isoquinolinyl)-6-{4-[1,1-dimethyl-2-(1-pyrrolidinyl)ethyl]phenyl}-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxamide;
- 15 1-(1-amino-7-isoquinolinyl)-6-{4-[2-(dimethylamino)-1,1-dimethylethyl]phenyl}-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxamide;
- 20 1-(1-amino-7-isoquinolinyl)-6-(4-{1-[(dimethylamino)methyl]cyclopropyl}phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxamide;
- 25 1-(1-amino-7-isoquinolinyl)-7-oxo-6-{4-[1-(1-pyrrolidinylmethyl)cyclopropyl]phenyl}-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxamide;
- 30 1-(3-amino-1,2-benzisoxazol-5-yl)-7-oxo-6-{4-[1-(1-pyrrolidinylmethyl)cyclopropyl]phenyl}-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxamide;
- 1-(3-amino-1,2-benzisoxazol-5-yl)-6-{4-[1-(1-pyrrolidinylmethyl)cyclopropyl]phenyl}-3-(trifluoromethyl)-1,4,5,6-tetrahydro-7H-pyrazolo[3,4-c]pyridin-7-one;

- 1-(3-amino-1,2-benzisoxazol-5-yl)-7-oxo-6-{4-[1-(1-pyrrolidinylmethyl)cyclopropyl]phenyl}-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carbonitrile;
- 5 1-[3-(aminomethyl)phenyl]-7-oxo-6-(4-{1-[(2-oxo-1-pyrrolidinyl)methyl]cyclopropyl}phenyl)-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;
- 10 6-[4-(1-{[acetyl(methyl)amino]methyl}cyclopropyl)phenyl]-1-[3-(aminomethyl)phenyl]-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;
- 15 1-[3-(aminocarbonyl)phenyl]-6-(4-{1-[(dimethylamino)methyl]cyclopropyl}phenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;
- 20 3-[3-cyano-6-(4-{1-[(dimethylamino)methyl]cyclopropyl}phenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridin-1-yl]benzamide;
- 25 1-(2,3-dihydro-1*H*-indol-6-yl)-6-(4-{1-[(dimethylamino)methyl]cyclopropyl}phenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;
- 30 1-(2,3-dihydro-1*H*-indol-6-yl)-7-oxo-6-{4-[1-(1-pyrrolidinylmethyl)cyclopropyl]phenyl}-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;
- 1-(2,3-dihydro-1*H*-indol-6-yl)-7-oxo-6-(4-{1-[(2-oxo-1-pyrrolidinyl)methyl]cyclopropyl}phenyl)-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxamide;

- 6-(4-{1-[(dimethylamino)methyl]cyclobutyl}phenyl)-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxamide;
- 5 1-(4-methoxyphenyl)-6-{4-[1-(4-morpholinylmethyl)cyclobutyl]phenyl}-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxamide;
- 10 1-(4-methoxyphenyl)-6-{4-[1-(4-morpholinylmethyl)cyclopentyl]phenyl}-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxamide;
- 15 6-(4-{1-[(dimethylamino)methyl]cyclopentyl}phenyl)-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxamide;
- 20 1-(4-methoxyphenyl)-6-{4-[1-(2-oxo-pyrrolidin-1-yl)-cyclopropyl]phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 1-(4-methoxyphenyl)-6-{4-[1-(2-oxo-piperidin-1-yl)-cyclopropyl]phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 25 1-(4-methoxyphenyl)-6-[4-(1-methylaminocyclopropyl)-phenyl]-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 30 6-[4-(1-dimethylaminocyclopropyl)phenyl]-1-(4-methoxyphenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 35 N-(1-{4-[1-(4-methoxyphenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]phenyl}-cyclopropyl)-N-methyl-acetamide;

- N*-(1-{4-[1-(4-methoxyphenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-*c*]pyridin-6-yl]phenyl}-cyclopropyl)-*N*-methyl-methanesulfonamide;
- 5    *N*-(1-{4-[1-(4-methoxyphenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-*c*]pyridin-6-yl]phenyl}-cyclopropyl)-*N*-methyl-2-methylaminoacetamide;
- 10    2-dimethylamino-*N*-(1-{4-[1-(4-methoxyphenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-*c*]pyridin-6-yl]phenyl}cyclopropyl)-*N*-methylacetamide;
- 15    *N*-(1-{4-[1-(4-methoxyphenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-*c*]pyridin-6-yl]phenyl}-cyclopropyl)-*N*-methyl-2-morpholin-4-yl-acetamide;
- 20    6-{4-[1-(1-hydroxyethyl)cyclopropyl]phenyl}-1-(4-methoxyphenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-*c*]pyridin-7-one;
- 25    6-[4-(1-acetylcyclopropyl)phenyl]-1-(4-methoxyphenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-*c*]pyridin-7-one;
- 30    6-{4-[1-(1-hydroxy-1-methyl-ethyl)cyclopropyl]phenyl}-1-(4-methoxyphenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-*c*]pyridin-7-one;
- 6-[4-(1-methoxymethylcyclopropyl)phenyl]-1-(4-methoxyphenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-*c*]pyridin-7-one;



- 6-{4-[1-(4,5-dihydro-oxazol-2-yl)cyclopropyl]phenyl}-1-(4-methoxyphenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 5 1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropanecarboxylic acid 2-amino-ethyl ester ;
- 10 6-{4-[1-(4,5-dihydro-oxazol-2-yl)-cyclopropyl]-phenyl}-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 15 6-{4-[1-(4,5-dihydro-1H-imidazol-2-yl)cyclopropyl]phenyl}-1-(4-methoxyphenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 20 1-(4-methoxyphenyl)-6-{4-[1-(1-methyl-4,5-dihydro-1H-imidazol-2-yl)cyclopropyl]phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 25 6-{4-[1-(1-methanesulfonyl-4,5-dihydro-1H-imidazol-2-yl)-cyclopropyl]phenyl}-1-(4-methoxyphenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 30 6-{4-[1-(1H-imidazol-2-yl)cyclopropyl]phenyl}-1-(4-methoxyphenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 35 1-(4-methoxyphenyl)-6-{4-[1-(1-methyl-1H-imidazol-2-yl)-cyclopropyl]phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 2-[(1-{4-[1-(4-methoxyphenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]phenyl}-cyclopropyl)-methyl-amino]-acetamide;

6-(4-{1-[(2-hydroxyethyl)-methylamino]cyclopropyl}phenyl)-  
1-(4-methoxyphenyl)-3-trifluoromethyl-1,4,5,6-  
tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

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1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-  
tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-  
cyclopropanecarboxylic acid methoxy-methyl-amide;

10 6-[4-(1-hydroxymethylcyclopropyl)phenyl]-1-(4-methoxy-  
phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-  
c]pyridine-3-carboxylic acid amide;

6-[4-(1-acetyl-cyclopropyl)-phenyl]-1-(4-methoxy-phenyl)-7-  
15 oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-  
carboxylic acid amide ;

6-[4-(1-aminocyclopropyl)phenyl]-1-(4-methoxyphenyl)-7-oxo-  
4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-  
20 carboxylic acid amide;

1-(4-methoxyphenyl)-6-[4-(1-methylaminocyclopropyl)-  
phenyl]-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-  
c]pyridine-3-carboxylic acid amid;

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6-[4-(1-dimethylaminocyclopropyl)phenyl]-1-(4-  
methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1H-  
pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

30 6-[4-(1-methylaminomethylcyclopentyl)phenyl]-1-(4-methoxy-  
phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-  
pyrazolo[3,4c]pyridine-3-carboxylic acid amide;

6-[4-(1-dimethylaminomethylcyclopentyl)phenyl]-1-(4-  
35 methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1H-  
pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

6-[4-(1-dimethylaminomethylcyclopentyl)phenyl]-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;

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6-[4-(1-[(2-hydroxyethyl)methylaminomethyl]cyclopentyl)phenyl]-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

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6-[4-(1-hydroxymethylcyclopentyl)phenyl]-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

15 6-(4-{1-[(2-hydroxyethyl)methylamino]cyclopropyl}phenyl)-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

20 1-(4-methoxyphenyl)-6-{4-[1-(methyl-prop-2-ynylamino)cyclopropyl]phenyl}-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

25 3-(1-hydroxyethyl)-1-(4-methoxyphenyl)-6-[4-(1-methylaminocyclopropyl)phenyl]-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

30 3-acetyl-1-(4-methoxyphenyl)-6-[4-(1-methylaminocyclopropyl)phenyl]-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

1-(4-methoxyphenyl)-6-[4-(1-methylaminocyclopropyl)phenyl]-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid methylamide;

- 1-(4-methoxyphenyl)-6-[4-(1-methylaminocyclopropyl)phenyl]-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxylic acid dimethylamide;
- 5 6-[4-(1-aminocyclopropyl)phenyl]-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carbonitrile;
- 10 1-(4-methoxyphenyl)-6-[4-(1-methylaminocyclopropyl)phenyl]-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carbonitrile;
- 15 6-[4-(1-dimethylaminocyclopropyl)phenyl]-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carbonitrile;
- 20 2-[(1-{4-[3-cyano-1-(4-methoxyphenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-*c*]pyridin-6-yl]phenyl}cyclopropyl)-methylamino]acetamide;
- 6-(4-{1-[(2-hydroxyethyl)methylamino]cyclopropyl}phenyl)-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carbonitrile;
- 25 1-(4-methoxyphenyl)-7-oxo-6-[4-(1-pyrrolidin-1-yl-cyclopropyl)phenyl]-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxylic acid ethyl ester;
- 30 1-(4-methoxyphenyl)-7-oxo-6-[4-(1-pyrrolidin-1-yl-cyclopropyl)phenyl]-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carboxylic acid amide;
- 35 1-(4-methoxyphenyl)-7-oxo-6-[4-(1-pyrrolidin-1-yl-cyclopropyl)phenyl]-4,5,6,7-tetrahydro-1*H*-pyrazolo[3,4-*c*]pyridine-3-carbonitrile;

- 1-(4-methoxyphenyl)-6-[4-(1-morpholin-4-yl-cyclopropyl)phenyl]-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 5 1-(4-methoxyphenyl)-6-[4-(1-morpholin-4-yl-cyclopropyl)phenyl]-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 10 6-[4-(1-dimethylaminocyclopropyl)phenyl]-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid methylamide;
- 15 6-[4-(1-dimethylaminocyclopropyl)phenyl]-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid dimethylamide;
- 20 6-{4-[1-(1,1-dioxo-1 $\lambda$ <sup>6</sup>-thiomorpholin-4-yl)cyclopropyl]phenyl}-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 25 6-[4-(1-aminocyclopropylmethyl)phenyl]-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 30 6-[4-(1-dimethylaminocyclopropylmethyl)phenyl]-1-(4-methoxyphenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 1-(3-chloro-phenyl)-6-{4-[1,1-dimethyl-2-(2-oxo-pyrrolidin-1-yl)-ethyl]-phenyl}-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

- 6-{4-[1,1-dimethyl-2-(2-oxo-pyrrolidin-1-yl)-ethyl]-phenyl}-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 5 1-(4-methoxy-phenyl)-6-[4-(1-methyl-1-pyrrolidin-1-ylethyl)-phenyl]-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 10 6-[4-(1-dimethylamino-1-methyl-ethyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 15 6-{4-[1-(4,4-dimethyl-4,5-dihydro-oxazol-2-yl)-cyclopropyl]-phenyl}-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 20 6-[4-(1-methanesulfonyl-1-methyl-ethyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 25 6-[4-(1-hydroxy-1-methyl-ethyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 1-(4-methoxy-phenyl)-6-[4-{1-[2-(2-oxo-2H-pyridin-1-yl)-ethyl]-cyclopropyl}-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 30 2-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropyl)-acetamide;
- 35 2-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropyl)-N-methyl-acetamide;

2-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropyl)-N,N-dimethyl-acetamide;

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1-(4-methoxy-phenyl)-6-{4-[1-(2-oxo-2-pyrrolidin-1-yl-ethyl)-cyclopropyl]-phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

10 6-{4-[1-(2-hydroxy-ethyl)-cyclopropyl]-phenyl}-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

15 1-(4-methoxy-phenyl)-6-{4-[1-(2-methylamino-ethyl)-cyclopropyl]-phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

20 6-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-phenyl}-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

25 1-(4-methoxy-phenyl)-6-{4-[1-(2-pyrrolidin-1-yl-ethyl)-cyclopropyl]-phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

1-(4-methoxy-phenyl)-6-{4-[1-(2-morpholin-4-yl-ethyl)-cyclopropyl]-phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

30 1-(4-methoxy-phenyl)-6-{4-[1-(2-pyrrolidin-1-yl-acetyl)-cyclopropyl]-phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

35 6-[4-(1-carbamoylmethyl-cyclopropyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid ethyl ester;

- 6-[4-(1-carbamoylmethyl-cyclopropyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 5 1-(4-methoxy-phenyl)-6-[4-(1-methylcarbamoylmethyl-cyclopropyl)-phenyl]-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid ethyl ester;
- 10 1-(4-methoxy-phenyl)-6-[4-(1-methylcarbamoylmethyl-cyclopropyl)-phenyl]-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 15 6-[4-(1-dimethylcarbamoylmethyl-cyclopropyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid ethyl ester;
- 20 6-[4-(1-dimethylcarbamoylmethyl-cyclopropyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 25 6-{4-[1-(2-hydroxy-ethyl)-cyclopropyl]-phenyl}-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 1-(4-methoxy-phenyl)-6-{4-[1-(2-morpholin-4-yl-ethyl)-cyclopropyl]-phenyl}-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 30 1-(4-methoxy-phenyl)-7-oxo-6-(4-{1-[2-(2-oxo-pyrrolidin-1-yl)-ethyl]-cyclopropyl}-phenyl)-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 35 1-(4-methoxy-phenyl)-6-{4-[1-(2-methylamino-ethyl)-cyclopropyl]-phenyl}-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;



6-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-phenyl}-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

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6-{4-[1-(2-diethylamino-ethyl)-cyclopropyl]-phenyl}-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

10 1-(4-methoxy-phenyl)-7-oxo-6-{4-[1-(2-pyrrolidin-1-yl-ethyl)-cyclopropyl]-phenyl}-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

15 6-(4-{1-[2-(2,5-dimethyl-pyrrolidin-1-yl)-ethyl]-cyclopropyl}-phenyl)-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

20 6-(4-{1-[2-(3-hydroxy-pyrrolidin-1-yl)-ethyl]-cyclopropyl}-phenyl)-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

25 6-(4-{1-[2-(2,5-dimethyl-pyrrolidin-1-yl)-ethyl]-cyclopropyl}-phenyl)-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

30 1-(4-methoxy-phenyl)-7-oxo-6-(4-{1-[2-(2-oxo-piperidin-1-yl)-ethyl]-cyclopropyl}-phenyl)-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

35 1-(4-methoxy-phenyl)-7-oxo-6-(4-{1-[2-(2-oxo-2H-pyridin-1-yl)-ethyl]-cyclopropyl}-phenyl)-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

1-(4-methoxy-phenyl)-6-(4-{1-[2-(methyl-thiazol-2-yl-amino)-ethyl]-cyclopropyl}-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

5

6-[4-(1-{2-[(2-hydroxy-ethyl)-methyl-amino]-ethyl}-cyclopropyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

10

1-(4-methoxy-phenyl)-6-(4-{1-[2-(2-methyl-imidazol-1-yl)-ethyl]-cyclopropyl}-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

15

6-(4-{1-[2-(2,6-dimethyl-piperidin-1-yl)-ethyl]-cyclopropyl}-phenyl)-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

20

2-(1-{4-[3-methanesulfonyl-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropyl)-N,N-dimethyl-acetamide;

25

2-(1-{4-[3-methanesulfonyl-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropyl)-acetamide;

30

2-(1-{4-[3-methanesulfonyl-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropyl)-N-methyl-acetamide;

35

2-(1-{4-[3-methanesulfonyl-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropyl)-N,N-dimethyl-acetamide;

- 6-{4-[1-(2-hydroxy-ethyl)-cyclopropyl]-phenyl}-3-methanesulfonyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 5 3-methanesulfonyl-6-{4-[1-(2-methoxy-ethyl)-cyclopropyl]-phenyl}-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 10 3-methanesulfonyl-1-(4-methoxy-phenyl)-6-{4-[1-(2-methylamino-ethyl)-cyclopropyl]-phenyl}-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 15 6-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-phenyl}-3-methanesulfonyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 20 6-{4-[1-(2-diethylamino-ethyl)-cyclopropyl]-phenyl}-3-methanesulfonyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 25 6-{4-[1-(2-isopropylamino-ethyl)-cyclopropyl]-phenyl}-3-methanesulfonyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 30 3-methanesulfonyl-1-(4-methoxy-phenyl)-6-{4-[1-(2-pyrrolidin-1-yl-ethyl)-cyclopropyl]-phenyl}-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 35 3-methanesulfonyl-1-(4-methoxy-phenyl)-6-(4-{1-[2-(2-oxo-pyrrolidin-1-yl)-ethyl]-cyclopropyl}-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 6-(4-{1-[2-(2,5-dimethyl-pyrrolidin-1-yl)-ethyl]-cyclopropyl}-phenyl)-3-methanesulfonyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

6-(4-{1-[2-(3-hydroxy-pyrrolidin-1-yl)-ethyl]-cyclopropyl}-  
phenyl)-3-methanesulfonyl-1-(4-methoxy-phenyl)-  
1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

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3-methanesulfonyl-1-(4-methoxy-phenyl)-6-(4-{1-[2-(2-oxo-  
piperidin-1-yl)-ethyl]-cyclopropyl}-phenyl)-1,4,5,6-  
tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

10 3-methanesulfonyl-1-(4-methoxy-phenyl)-6-{4-[1-(2-  
morpholin-4-yl-ethyl)-cyclopropyl]-phenyl}-1,4,5,6-  
tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

15 6-[4-(1-{2-[(2-hydroxy-ethyl)-methyl-amino]-ethyl}-  
cyclopropyl)-phenyl]-3-methanesulfonyl-1-(4-methoxy-  
phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-  
one;

20 2-{[2-(1-{4-[3-methanesulfonyl-1-(4-methoxy-phenyl)-7-oxo-  
1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-  
phenyl]-cyclopropyl)-ethyl]-methyl-amino}-acetamide;

25 2-[2-(1-{4-[3-methanesulfonyl-1-(4-methoxy-phenyl)-7-oxo-  
1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-  
phenyl]-cyclopropyl)-ethylamino]-acetamide;

30 6-(4-{1-[2-(2-hydroxy-ethylamino)-ethyl]-cyclopropyl}-  
phenyl)-3-methanesulfonyl-1-(4-methoxy-phenyl)-  
1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

3-methanesulfonyl-1-(4-methoxy-phenyl)-6-(4-{1-[2-(2-  
methyl-imidazol-1-yl)-ethyl]-cyclopropyl}-phenyl)-  
1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

- 3-methanesulfonyl-1-(4-methoxy-phenyl)-6-(4-{1-[2-(thiazol-2-ylamino)-ethyl]-cyclopropyl}-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 5 3-methanesulfonyl-1-(4-methoxy-phenyl)-6-(4-{1-[2-(2-oxo-2H-pyridin-1-yl)-ethyl]-cyclopropyl}-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 10 2-(1-{4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropyl)-acetamide;
- 15 2-(1-{4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropyl)-N-methyl-acetamide;
- 20 2-(1-{4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropyl)-N,N-dimethyl-acetamide;
- 6-(4-[1-(2-hydroxy-ethyl)-cyclopropyl]-phenyl)-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 25 1-(4-methoxy-phenyl)-6-{4-[1-(2-methylamino-ethyl)-cyclopropyl]-phenyl}-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 30 6-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-phenyl}-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 35 1-(4-methoxy-phenyl)-7-oxo-6-{4-[1-(2-pyrrolidin-1-yl-ethyl)-cyclopropyl]-phenyl}-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;

- 1- (4-methoxy-phenyl) -6- {4- [1- (2-morpholin-4-yl-ethyl) -  
cyclopropyl] -phenyl} -7-oxo-4,5,6,7-tetrahydro-1H-  
pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 5 6- (4- {1- [2- (1,1-dioxo-116-thiomorpholin-4-yl) -ethyl] -  
cyclopropyl} -phenyl) -1- (4-methoxy-phenyl) -7-oxo-  
4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-  
carbonitrile;
- 10 6- (4- {1- [2- (2-hydroxy-ethylamino) -ethyl] -cyclopropyl} -  
phenyl) -1- (4-methoxy-phenyl) -7-oxo-4,5,6,7-tetrahydro-  
1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 15 2- [2- (1- {4- [3-cyano-1- (4-methoxy-phenyl) -7-oxo-1,4,5,7-  
tetrahydro-pyrazolo[3,4-c]pyridin-6-yl] -phenyl} -  
cyclopropyl) -ethylamino] -acetamide;
- 20 2- { [2- (1- {4- [3-cyano-1- (4-methoxy-phenyl) -7-oxo-1,4,5,7-  
tetrahydro-pyrazolo[3,4-c]pyridin-6-yl] -phenyl} -  
cyclopropyl) -ethyl] -methyl-amino} -acetamide;
- 25 6- [4- (1- {2- [ (2-hydroxy-ethyl) -methyl-amino] -ethyl} -  
cyclopropyl) -phenyl] -1- (4-methoxy-phenyl) -7-oxo-  
4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-  
carbonitrile;
- 30 N- [2- (1- {4- [3-cyano-1- (4-methoxy-phenyl) -7-oxo-1,4,5,7-  
tetrahydro-pyrazolo[3,4-c]pyridin-6-yl] -phenyl} -  
cyclopropyl) -ethyl] -N-methyl-methanesulfonamide;
- N- [2- (1- {4- [3-cyano-1- (4-methoxy-phenyl) -7-oxo-1,4,5,7-  
tetrahydro-pyrazolo[3,4-c]pyridin-6-yl] -phenyl} -  
cyclopropyl) -ethyl] -N-methyl-acetamide;

- 1-(4-methoxy-phenyl)-7-oxo-6-(4-{1-[2-(2-oxo-pyrrolidin-1-yl)-ethyl]-cyclopropyl}-phenyl)-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 5 1-(4-methoxy-phenyl)-7-oxo-6-(4-{1-[2-(2-oxo-2H-pyridin-1-yl)-ethyl]-cyclopropyl}-phenyl)-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 10 6-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-phenyl}-1-(4-methoxy-phenyl)-3-methyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 15 6-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-phenyl}-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 20 5-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-phenyl}-3-(4-methoxy-phenyl)-3,5,6,7-tetrahydro-[1,2,3]triazolo[4,5-c]pyridin-4-one;
- 25 5-{4-[1-(2-dimethylamino-ethyl)-cyclobutyl]-phenyl}-3-(4-methoxy-phenyl)-3,5,6,7-tetrahydro-[1,2,3]triazolo[4,5-c]pyridin-4-one;
- 30 6-{4-[1-(2-dimethylamino-ethyl)-cyclobutyl]-phenyl}-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 35 6-{4-[1-(2-dimethylamino-ethyl)-cyclobutyl]-phenyl}-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

- 6-{4-[1-(2-dimethylamino-ethyl)-cyclobutyl]-phenyl}-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 5 6-{4-[1-(2-dimethylamino-ethyl)-cyclobutyl]-phenyl}-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 10 6-{4-[1-(2-dimethylamino-ethyl)-cyclobutyl]-phenyl}-3-methanesulfonyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 15 6-{4-[1-(2-dimethylamino-ethyl)-cyclopentyl]-phenyl}-3-methanesulfonyl-1-(4-methoxy-phenyl)-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 20 6-{4-[1-(2-dimethylamino-ethyl)-cyclopentyl]-phenyl}-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;
- 25 6-{4-[1-(2-dimethylamino-ethyl)-cyclopentyl]-phenyl}-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 30 6-{4-[1-(2-dimethylamino-ethyl)-cyclopentyl]-phenyl}-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 35 6-{4-[1-(2-dimethylamino-ethyl)-cyclopentyl]-phenyl}-1-(4-methoxy-phenyl)-3-methyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 5-{4-[1-(2-dimethylamino-ethyl)-cyclopentyl]-phenyl}-3-(4-methoxy-phenyl)-3,5,6,7-tetrahydro-[1,2,3]triazolo[4,5-c]pyridin-4-one;



- 2-(1-{4-[3-(4-methoxy-phenyl)-4-oxo-3,4,6,7-tetrahydro-  
[1,2,3]triazolo[4,5-c]pyridin-5-yl]-phenyl}-  
cyclopentyl)-N-methyl-acetamide;
- 5 2-(1-{4-[3-(4-methoxy-phenyl)-4-oxo-3,4,6,7-tetrahydro-  
[1,2,3]triazolo[4,5-c]pyridin-5-yl]-phenyl}-  
cyclopentyl)-N,N-dimethyl-acetamide;
- 10 2-(1-{4-[3-(4-methoxy-phenyl)-4-oxo-3,4,6,7-tetrahydro-  
[1,2,3]triazolo[4,5-c]pyridin-5-yl]-phenyl}-  
cyclopentyl)-acetamide;
- 15 2-(1-{4-[3-methanesulfonyl-1-(4-methoxy-phenyl)-7-oxo-  
1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-  
phenyl}-cyclopentyl)-acetamide;
- 20 6-[4-(1-carbamoylmethyl-cyclopentyl)-phenyl]-1-(4-methoxy-  
phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-  
c]pyridine-3-carboxylic acid amide;
- 1-(4-methoxy-phenyl)-6-[4-(1-methylcarbamoylmethyl-  
cyclopentyl)-phenyl]-7-oxo-4,5,6,7-tetrahydro-1H-  
pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 25 6-[4-(1-dimethylcarbamoylmethyl-cyclopentyl)-phenyl]-1-(4-  
methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-  
pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 30 2-(1-{4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-  
tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-  
cyclopentyl)-N,N-dimethyl-acetamide;
- 35 2-(1-{4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-  
tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-  
cyclopentyl)-N-methyl-acetamide;

- 2-(1-{4-[3-methanesulfonyl-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopentyl)-N-methyl-acetamide;
- 5 2-(1-{4-[3-methanesulfonyl-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopentyl)-N,N-dimethyl-acetamide;
- 10 2-(1-{4-[3-methanesulfonyl-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopentyl)-acetamide;
- 15 2-(1-{4-[3-methanesulfonyl-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclobutyl)-acetamide;
- 20 2-(1-{4-[3-methanesulfonyl-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclobutyl)-N-methyl-acetamide;
- 25 2-(1-{4-[3-methanesulfonyl-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclobutyl)-N,N-dimethyl-acetamide;
- 30 2-(1-{4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclobutyl)-N-methyl-acetamide;
- 35 2-(1-{4-[3-cyano-1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclobutyl)-acetamide;

- 2-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclobutyl)-acetamide;
- 5 2-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclobutyl)-N-methyl-acetamide;
- 10 2-(1-{4-[1-(4-methoxy-phenyl)-3-methyl-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclobutyl)-N-methyl-acetamide;
- 15 2-(1-{4-[1-(4-methoxy-phenyl)-3-methyl-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclobutyl)-acetamide;
- 20 2-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclobutyl)-acetamide;
- 2-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclobutyl)-N-methyl-acetamide;
- 25 2-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclobutyl)-N,N-dimethyl-acetamide;
- 30 2-(1-{4-[3-(4-methoxy-phenyl)-4-oxo-3,4,6,7-tetrahydro-[1,2,3]triazolo[4,5-c]pyridin-5-yl]-phenyl}-cyclobutyl)-N,N-dimethyl-acetamide;
- 35 2-(1-{4-[3-(4-methoxy-phenyl)-4-oxo-3,4,6,7-tetrahydro-[1,2,3]triazolo[4,5-c]pyridin-5-yl]-phenyl}-cyclobutyl)-N-methyl-acetamide;

- 2-(1-{4-[3-(4-methoxy-phenyl)-4-oxo-3,4,6,7-tetrahydro-  
[1,2,3]triazolo[4,5-c]pyridin-5-yl]-phenyl}-  
cyclobutyl)-acetamide;
- 5 5-chloro-thiophene-2-carboxylic acid {2-[4-(1-  
dimethylaminomethyl-cyclopropyl)-benzyl]-1,3-dioxo-  
2,3-dihydro-1H-isoindol-4-yl}-amide;
- 10 5-chloro-thiophene-2-carboxylic acid {2-[4-(1-  
dimethylaminomethyl-cyclopropyl)-benzyl]-1-oxo-2,3-  
dihydro-1H-isoindol-4-yl}-amide;
- 15 5-chloro-thiophene-2-carboxylic acid {2-[4-(1-  
dimethylaminomethyl-cyclopropyl)-benzyl]-3-oxo-2,3-  
dihydro-1H-isoindol-4-yl}-amide;
- 20 5-chloro-thiophene-2-carboxylic acid [2-(2-{4-[1-(2-  
dimethylamino-ethyl)-cyclopropyl]-phenyl}-ethyl)-1,3-  
dioxo-2,3-dihydro-1H-isoindol-4-yl]-amide;
- 25 5-chloro-thiophene-2-carboxylic acid [2-(2-{4-[1-(2-  
dimethylamino-ethyl)-cyclopropyl]-phenyl}-ethyl)-3-  
oxo-2,3-dihydro-1H-isoindol-4-yl]-amide;
- 30 5-chloro-thiophene-2-carboxylic acid [2-(2-{3-[1-(2-  
dimethylamino-ethyl)-cyclopropyl]-phenyl}-ethyl)-1,3-  
dioxo-2,3-dihydro-1H-isoindol-4-yl]-amide;
- 35 5-chloro-thiophene-2-carboxylic acid [2-(2-{3-[1-(2-  
dimethylamino-ethyl)-cyclopropyl]-phenyl}-ethyl)-1-  
oxo-2,3-dihydro-1H-isoindol-4-yl]-amide;

- 5-chloro-thiophene-2-carboxylic acid [2-(2-{3-[1-(2-dimethylamino-ethyl)-cyclopropyl]-phenyl}-ethyl)-3-oxo-2,3-dihydro-1H-isoindol-4-yl]-amide;
- 5 5-chloro-thiophene-2-carboxylic acid (2-{2-[4-(1-dimethylaminomethyl-cyclopropyl)-phenyl]-ethyl}-1,3-dioxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 10 5-chloro-thiophene-2-carboxylic acid (2-{2-[4-(1-dimethylaminomethyl-cyclopropyl)-phenyl]-ethyl}-1-oxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 15 5-chloro-thiophene-2-carboxylic acid (2-{2-[4-(1-dimethylaminomethyl-cyclopropyl)-phenyl]-ethyl}-3-oxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 20 5-chloro-thiophene-2-carboxylic acid (2-{2-[3-(1-dimethylaminomethyl-cyclopropyl)-phenyl]-ethyl}-1,3-dioxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 25 5-chloro-thiophene-2-carboxylic acid (2-{2-[3-(1-dimethylaminomethyl-cyclopropyl)-phenyl]-ethyl}-3-oxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 30 5-chloro-thiophene-2-carboxylic acid {2-[3-(1-dimethylaminomethyl-cyclopropyl)-benzyl]-1,3-dioxo-2,3-dihydro-1H-isoindol-4-yl}-amide;
- 35 5-chloro-thiophene-2-carboxylic acid {2-[3-(1-dimethylaminomethyl-cyclopropyl)-benzyl]-1-oxo-2,3-dihydro-1H-isoindol-4-yl}-amide;

- 5-chloro-thiophene-2-carboxylic acid {2-[3-(1-dimethylaminomethyl-cyclopropyl)-benzyl]-3-oxo-2,3-dihydro-1H-isoindol-4-yl}-amide;
- 5 5-chloro-thiophene-2-carboxylic acid (2-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-benzyl}-1,3-dioxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 10 5-chloro-thiophene-2-carboxylic acid (2-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-benzyl}-1-oxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 15 5-chloro-thiophene-2-carboxylic acid (2-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-benzyl}-3-oxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 20 5-chloro-thiophene-2-carboxylic acid (2-{3-[1-(2-dimethylamino-ethyl)-cyclopropyl]-benzyl}-1,3-dioxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 25 5-chloro-thiophene-2-carboxylic acid (2-{3-[1-(2-dimethylamino-ethyl)-cyclopropyl]-benzyl}-1-oxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 30 5-chloro-thiophene-2-carboxylic acid {6-chloro-2-[4-(1-dimethylaminomethyl-cyclopropyl)-benzyl]-1,3-dioxo-2,3-dihydro-1H-isoindol-4-yl}-amide;
- 35 5-chloro-thiophene-2-carboxylic acid {6-chloro-2-[4-(1-dimethylaminomethyl-cyclopropyl)-benzyl]-1-oxo-2,3-dihydro-1H-isoindol-4-yl}-amide;

- 5-chloro-thiophene-2-carboxylic acid {6-chloro-2-[4-(1-dimethylaminomethyl-cyclopropyl)-benzyl]-3-oxo-2,3-dihydro-1H-isoindol-4-yl}-amide;
- 5 5-chloro-thiophene-2-carboxylic acid [6-chloro-2-(2-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-phenyl}-ethyl)-1,3-dioxo-2,3-dihydro-1H-isoindol-4-yl]-amide;
- 10 5-chloro-thiophene-2-carboxylic acid [6-chloro-2-(2-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-phenyl}-ethyl)-1-oxo-2,3-dihydro-1H-isoindol-4-yl]-amide;
- 15 5-chloro-thiophene-2-carboxylic acid [6-chloro-2-(2-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-phenyl}-ethyl)-3-oxo-2,3-dihydro-1H-isoindol-4-yl]-amide;
- 20 5-chloro-thiophene-2-carboxylic acid [6-chloro-2-(2-{3-[1-(2-dimethylamino-ethyl)-cyclopropyl]-phenyl}-ethyl)-1,3-dioxo-2,3-dihydro-1H-isoindol-4-yl]-amide;
- 25 5-chloro-thiophene-2-carboxylic acid [6-chloro-2-(2-{3-[1-(2-dimethylamino-ethyl)-cyclopropyl]-phenyl}-ethyl)-3-oxo-2,3-dihydro-1H-isoindol-4-yl]-amide;
- 30 5-chloro-thiophene-2-carboxylic acid (6-chloro-2-{2-[4-(1-dimethylaminomethyl-cyclopropyl)-phenyl]-ethyl}-1,3-dioxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 35 5-chloro-thiophene-2-carboxylic acid (6-chloro-2-{2-[4-(1-dimethylaminomethyl-cyclopropyl)-phenyl]-ethyl}-1-oxo-2,3-dihydro-1H-isoindol-4-yl)-amide;

- 5-chloro-thiophene-2-carboxylic acid (6-chloro-2-{2-[4-(1-dimethylaminomethyl-cyclopropyl)-phenyl]-ethyl}-3-oxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 5 5-chloro-thiophene-2-carboxylic acid (6-chloro-2-{2-[3-(1-dimethylaminomethyl-cyclopropyl)-phenyl]-ethyl}-1,3-dioxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 10 5-chloro-thiophene-2-carboxylic acid (6-chloro-2-{2-[3-(1-dimethylaminomethyl-cyclopropyl)-phenyl]-ethyl}-1-oxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 15 5-chloro-thiophene-2-carboxylic acid (6-chloro-2-{2-[3-(1-dimethylaminomethyl-cyclopropyl)-phenyl]-ethyl}-3-oxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 20 5-chloro-thiophene-2-carboxylic acid {6-chloro-2-[3-(1-dimethylaminomethyl-cyclopropyl)-benzyl]-1,3-dioxo-2,3-dihydro-1H-isoindol-4-yl}-amide;
- 25 5-chloro-thiophene-2-carboxylic acid {6-chloro-2-[3-(1-dimethylaminomethyl-cyclopropyl)-benzyl]-1-oxo-2,3-dihydro-1H-isoindol-4-yl}-amide;
- 30 5-chloro-thiophene-2-carboxylic acid (6-chloro-2-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-benzyl}-1,3-dioxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 35 5-chloro-thiophene-2-carboxylic acid (6-chloro-2-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-benzyl}-1-oxo-2,3-dihydro-1H-isoindol-4-yl)-amide;



- 5-chloro-thiophene-2-carboxylic acid (6-chloro-2-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-benzyl}-3-oxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 5 5-chloro-thiophene-2-carboxylic acid (6-chloro-2-{3-[1-(2-dimethylamino-ethyl)-cyclopropyl]-benzyl}-1,3-dioxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 10 5-chloro-thiophene-2-carboxylic acid (6-chloro-2-{3-[1-(2-dimethylamino-ethyl)-cyclopropyl]-benzyl}-1-oxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- 15 5-chloro-thiophene-2-carboxylic acid (6-chloro-2-{3-[1-(2-dimethylamino-ethyl)-cyclopropyl]-benzyl}-3-oxo-2,3-dihydro-1H-isoindol-4-yl)-amide;
- (1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropyl)-acetic acid;
- 20 2-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropyl)-acetamide;
- 25 2-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropyl)-N-methyl-acetamide;
- 30 2-(1-{4-[1-(4-methoxy-phenyl)-7-oxo-3-trifluoromethyl-1,4,5,7-tetrahydro-pyrazolo[3,4-c]pyridin-6-yl]-phenyl}-cyclopropyl)-N,N-dimethyl-acetamide;
- 35 1-(4-methoxy-phenyl)-6-{4-[1-(2-oxo-2-pyrrolidin-1-yl-ethyl)-cyclopropyl]-phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;

- 6-{4-[1-(2-hydroxy-ethyl)-cyclopropyl]-phenyl}-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 5 1-(4-methoxy-phenyl)-6-{4-[1-(2-methylamino-ethyl)cyclopropyl]-phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 10 6-{4-[1-(2-dimethylamino-ethyl)-cyclopropyl]-phenyl}-1-(4-methoxy-phenyl)-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 15 1-(4-methoxy-phenyl)-6-{4-[1-(2-pyrrolidin-1-yl-ethyl)-cyclopropyl]-phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one;
- 20 1-(4-methoxy-phenyl)-6-{4-[1-(2-morpholin-4-yl-ethyl)-cyclopropyl]-phenyl}-3-trifluoromethyl-1,4,5,6-tetrahydro-pyrazolo[3,4-c]pyridin-7-one
- 25 6-[4-(1-carbamoylmethyl-cyclopropyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid ethyl ester;
- 30 6-[4-(1-carbamoylmethyl-cyclopropyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;
- 35 1-(4-methoxy-phenyl)-6-[4-(1-methylcarbamoylmethyl-cyclopropyl)-phenyl]-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid ethyl ester;
- 1-(4-Methoxy-phenyl)-6-[4-(1-methylcarbamoylmethyl-cyclopropyl)-phenyl]-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

6-[4-(1-dimethylcarbamoylmethyl-cyclopropyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid ethyl ester;

6-[4-(1-dimethylcarbamoylmethyl-cyclopropyl)-phenyl]-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

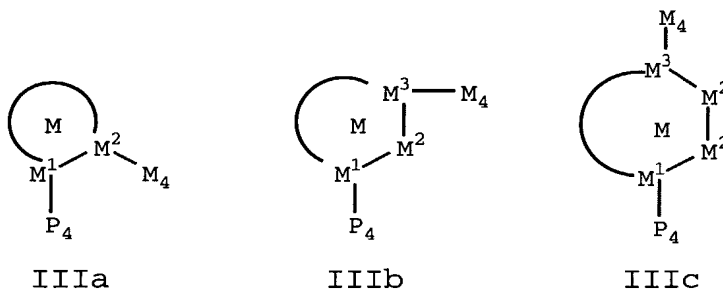
6-{4-[1-(2-hydroxy-ethyl)-cyclopropyl]-phenyl}-1-(4-methoxy-phenyl)-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide;

1-(4-methoxy-phenyl)-6-{4-[1-(2-morpholin-4-yl-ethyl)-cyclopropyl]-phenyl}-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carboxylic acid amide; and,

1-(4-methoxy-phenyl)-6-{4-[1-(2-morpholin-4-yl-ethyl)-cyclopropyl]-phenyl}-7-oxo-4,5,6,7-tetrahydro-1H-pyrazolo[3,4-c]pyridine-3-carbonitrile;

or a pharmaceutically acceptable salt form thereof.

[9] In another preferred embodiment, the present invention provides a novel compound, wherein the compound is of Formula IIIa, IIIb, or IIIc:



or a stereoisomer or pharmaceutically acceptable salt thereof, wherein;

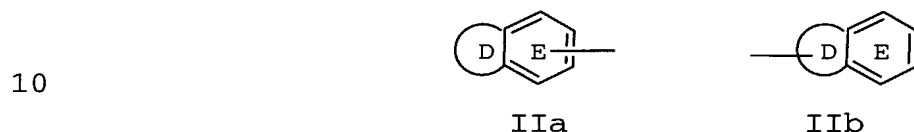
ring M, including M<sub>1</sub>, M<sub>2</sub>, and, if present, M<sub>3</sub>, is phenyl or a 3-10 membered carbocyclic or 4-10 membered

heterocyclic ring consisting of: carbon atoms and 1-4 heteroatoms selected from O, S(O)<sub>p</sub>, N, and NZ<sup>2</sup>;

ring M is substituted with 0-3 R<sup>1a</sup> and 0-2 carbonyl groups,  
5 and there are 0-3 ring double bonds;

one of P<sub>4</sub> and M<sub>4</sub> is -Z-A-B and the other -G<sub>1</sub>-G;

G is a group of formula IIa or IIb:



ring D, including the two atoms of Ring E to which it is attached, is a 5-6 membered ring consisting of carbon  
15 atoms and 0-2 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

ring D is substituted with 0-2 R and there are 0-3 ring double bonds;  
20

E is selected from phenyl, pyridyl, pyrimidyl, pyrazinyl, and pyridazinyl, and is substituted with 1-3 R;

alternatively, ring D is absent, and ring E is selected  
25 from phenyl, pyridyl, pyrimidyl, and thienyl, and ring E is substituted with 1-3 R;

alternatively, ring D is absent, ring E is selected from phenyl, pyridyl, and thienyl, and ring E is  
30 substituted with 1 R and substituted with a 5-6 membered heterocycle consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, wherein the 5-6 membered heterocycle

is substituted with 0-2 carbonyls and 1-3 R and there are 0-3 ring double bonds;

R is selected from H, C<sub>1-4</sub> alkyl, F, Cl, OH, OCH<sub>3</sub>, OCH<sub>2</sub>CH<sub>3</sub>,  
 5 OCH(CH<sub>3</sub>)<sub>2</sub>, CN, C(=NH)NH<sub>2</sub>, C(=NH)NHOH, C(=NH)NHOCH<sub>3</sub>,  
 NH<sub>2</sub>, NH(C<sub>1-3</sub> alkyl), N(C<sub>1-3</sub> alkyl)<sub>2</sub>, C(=NH)NH<sub>2</sub>, CH<sub>2</sub>NH<sub>2</sub>,  
 CH<sub>2</sub>NH(C<sub>1-3</sub> alkyl), CH<sub>2</sub>N(C<sub>1-3</sub> alkyl)<sub>2</sub>, (CR<sup>8</sup>R<sup>9</sup>)<sub>t</sub>NR<sup>7</sup>R<sup>8</sup>,  
 C(O)NR<sup>7</sup>R<sup>8</sup>, CH<sub>2</sub>C(O)NR<sup>7</sup>R<sup>8</sup>, S(O)<sub>p</sub>NR<sup>7</sup>R<sup>8</sup>, CH<sub>2</sub>S(O)<sub>p</sub>NR<sup>7</sup>R<sup>8</sup>,  
 SO<sub>2</sub>R<sup>3</sup>, and OCF<sub>3</sub>;

10

alternatively, when 2 R groups are attached to adjacent atoms, they combine to form methylenedioxy or ethylenedioxy;

15 A is selected from:

C<sub>5-10</sub> carbocycle substituted with 0-2 R<sup>4</sup>, and

5-10 membered heterocycle substituted with 0-2 R<sup>4</sup> and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

20

X is selected from -(CR<sup>2</sup>R<sup>2a</sup>)<sub>1-4</sub>-, -C(O)-, -C(O)CR<sup>2</sup>R<sup>2a</sup>-,  
 -CR<sup>2</sup>R<sup>2a</sup>C(O), -S(O)<sub>2</sub>-, -S(O)<sub>2</sub>CR<sup>2</sup>R<sup>2a</sup>-, -CR<sup>2</sup>R<sup>2a</sup>S(O)<sub>2</sub>-,  
 -NR<sup>2</sup>S(O)<sub>2</sub>-, -S(O)<sub>2</sub>NR<sup>2</sup>-, -NR<sup>2</sup>C(O)-, -C(O)NR<sup>2</sup>-, NR<sup>2</sup>,  
 -NR<sup>2</sup>CR<sup>2</sup>R<sup>2a</sup>-, -CR<sup>2</sup>R<sup>2a</sup>NR<sup>2</sup>-, O, -OCR<sup>2</sup>R<sup>2a</sup>-, and -CR<sup>2</sup>R<sup>2a</sup>O-;

25

Y is a C<sub>3-7</sub> monocyclic carbocycle or 3-7 membered monocyclic heterocycle, wherein the carbocycle or heterocycle consists of: carbon atoms and 0-2 heteroatoms selected from N, O, and S(O)<sub>p</sub>, the carbocycle or  
 30 heterocycle further comprises 0-2 double bonds and 0-2 carbonyl groups, and the carbocycle or heterocycle is substituted with 0-2 R<sup>4</sup>;

alternatively, Y is  $CY^1Y^2$ , and  $Y^1$  and  $Y^2$  are independently  $C_{1-3}$  alkyl substituted with 0-1  $R^4$ ;

5 Z is selected from a bond,  $CH_2$ ,  $CH_2CH_2$ ,  $CH_2O$ ,  $OCH_2$ ,  $C(O)$ ,  $NH$ ,  $CH_2NH$ ,  $NHCH_2$ ,  $CH_2C(O)$ ,  $C(O)CH_2$ ,  $C(O)NH$ ,  $NHC(O)$ ,  $NHC(O)NH$ ,  $NHC(O)CH_2C(O)NH$ ,  $NHC(O)C(O)NH$ ,  $C(O)NHS(O)_2$ ,  $S(O)_2$ ,  $CH_2S(O)_2$ ,  $S(O)_2(CH_2)$ ,  $SO_2NH$ , and  $NHSO_2$ , provided that Z does not form a N-S,  $NCH_2N$ ,  $NCH_2O$ , or  $NCH_2S$  bond with either group to which it is attached;

10

$Z^2$  is selected from H,  $C_{1-4}$  alkyl, phenyl, benzyl,  $C(O)R^{3b}$ ,  $S(O)R^{3f}$ , and  $S(O)_2R^{3f}$ ;

15  $R^{1a}$ , at each occurrence, is selected from H,  $-(CH_2)_r-R^{1b}$ ,  $-(CH(CH_3))_r-R^{1b}$ ,  $-(C(CH_3)_2)_r-R^{1b}$ ,  $-O-(CR^3R^{3a})_r-R^{1b}$ ,  $-NR^2-(CR^3R^{3a})_r-R^{1b}$ , and  $-S-(CR^3R^{3a})_r-R^{1b}$ , provided that  $R^{1a}$  forms other than an N-halo, N-S, O-O, or N-CN bond;

20 alternatively, when two  $R^{1a}$  groups are attached to adjacent atoms or to the same carbon atom, together with the atoms to which they are attached they form a 5-7 membered ring consisting of: carbon atoms and 0-2 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ , this ring being substituted with 0-2  $R^{4b}$  and 0-3 ring double bonds;

25  $R^{1b}$  is selected from H,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , F, Cl, Br, I, -CN, -CHO,  $CF_3$ ,  $OR^2$ ,  $NR^2R^{2a}$ ,  $C(O)R^{2b}$ ,  $CO_2R^{2b}$ ,  $OC(O)R^2$ ,  $CO_2R^{2a}$ ,  $S(O)_pR^2$ ,  $NR^2(CH_2)_rOR^2$ ,  $NR^2C(O)R^{2b}$ ,  $NR^2C(O)NHR^2$ ,  $NR^2C(O)_2R^{2a}$ ,  $OC(O)NR^2R^{2a}$ ,  $C(O)NR^2R^{2a}$ ,  $C(O)NR^2(CH_2)_rOR^2$ ,  $SO_2NR^2R^{2a}$ ,  $NR^2SO_2R^2$ ,  $C_{3-6}$  carbocycle substituted with 0-2  $R^{4b}$ , and 5-6 membered heterocycle consisting of carbon atoms and from 1-4 heteroatoms

selected from the group consisting of N, O, and S(O)<sub>p</sub> and substituted with 0-2 R<sup>4b</sup>, provided that R<sup>1b</sup> forms other than an O-O, N-halo, N-S, or N-CN bond;

5 R<sup>2</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, benzyl, C<sub>5-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, a C<sub>5-6</sub> carbocycle-CH<sub>2</sub>- substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle  
10 substituted with 0-2 R<sup>4b</sup> and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

R<sup>2a</sup>, at each occurrence, is selected from H, CF<sub>3</sub>, CH<sub>3</sub>,  
15 CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, benzyl, C<sub>3-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 5-6 membered heterocycle substituted with 0-2 R<sup>4b</sup> and consisting of: carbon atoms and 1-4 heteroatoms selected from the group  
20 consisting of N, O, and S(O)<sub>p</sub>;

alternatively, R<sup>2</sup> and R<sup>2a</sup>, together with the nitrogen atom to which they are attached, combine to form a 3-6 membered saturated, partially saturated or unsaturated  
25 ring substituted with 0-2 R<sup>4b</sup> and consisting of: 0-1 additional heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

R<sup>2b</sup>, at each occurrence, is selected from CF<sub>3</sub>, C<sub>1-4</sub> alkoxy,  
30 C<sub>1-6</sub> alkyl substituted with 0-3 R<sup>4b</sup>, benzyl, C<sub>3-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and 4-6 membered heterocycle substituted with 0-2 R<sup>4b</sup> and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

- $R^{2c}$ , at each occurrence, is selected from  $CF_3$ , OH,  $C_{1-4}$  alkoxy,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ , benzyl,  $C_{5-6}$  carbocycle substituted with 0-2  $R^{4b}$ , and 5-6 membered heterocycle substituted with 0-2  $R^{4b}$  and consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ ;
- 10  $R^{2d}$ , at each occurrence, is selected from H,  $R^{4c}$ ,  $C_{1-4}$  alkyl substituted with 0-2  $R^{4c}$ ,  $-(CR^3R^{3a})_r-C_{3-6}$  carbocycle substituted with 0-2  $R^{4c}$ , and  $-(CR^3R^{3a})_r-5-6$  membered heterocycle substituted with 0-2  $R^{4c}$  and consisting of: carbon atoms and 1-4 heteroatoms selected from the
- 15 group consisting of N, O, and  $S(O)_p$ , provided that  $R^{2d}$  forms other than a N-halo, N-C-halo,  $S(O)_p$ -halo, O-halo, N-S, S-N,  $S(O)_p-S(O)_p$ , S-O, O-N, O-S, or O-O moiety;
- 20 alternatively, when two  $R^{2d}$ 's are attached to the same nitrogen atom, then  $R^{2d}$  and  $R^{2d}$ , together with the nitrogen atom to which they are attached, combine to form a 5 or 6 membered saturated, partially saturated or unsaturated ring substituted with 0-2  $R^{4b}$  and
- 25 consisting of: 0-1 additional heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ ;
- $R^{2e}$ , at each occurrence, is selected from H,  $R^{4c}$ ,  $C_{1-4}$  alkyl substituted with 0-2  $R^{4c}$ ,  $-(CR^3R^{3a})_r-C_{3-6}$  carbocycle
- 30 substituted with 0-2  $R^{4c}$ , and  $-(CR^3R^{3a})_r-5-6$  membered heterocycle substituted with 0-2  $R^{4c}$  and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ , provided that  $R^{2e}$  forms other than a C(O)-halo or C(O)- $S(O)_p$  moiety;



$R^3$ , at each occurrence, is selected from H,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , benzyl, and phenyl;

5  $R^{3a}$ , at each occurrence, is selected from H,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , benzyl, and phenyl;

alternatively,  $R^3$  and  $R^{3a}$ , together with the nitrogen atom to which they are attached, combine to form a 5 or 6  
10 membered saturated, partially unsaturated, or unsaturated ring consisting of: carbon atoms and the nitrogen atom to which  $R^3$  and  $R^{3a}$  are attached;

$R^{3c}$ , at each occurrence, is selected from  $CH_3$ ,  $CH_2CH_3$ ,  
15  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , benzyl, and phenyl;

$R^{3d}$ , at each occurrence, is selected from H,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2$ -phenyl,  $CH_2CH_2$ -phenyl, and  $C(=O)R^{3c}$ ;

20  $R^{3g}$ , at each occurrence, is selected from H,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , cyclopropyl, cyclopropyl-methyl, benzyl, and phenyl;

25 alternatively, when  $R^3$  and  $R^{3g}$  are attached to the same carbon atom, they combine with the attached carbon atom to form a cyclopropyl group;

$R^4$ , at each occurrence, is selected from H, =O,  $OR^2$ ,  $CH_2OR^2$ ,  
30  $(CH_2)_2OR^2$ , F, Cl, Br, I,  $C_{1-4}$  alkyl, -CN,  $NO_2$ ,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $(CH_2)_2NR^2R^{2a}$ ,  $C(O)R^{2c}$ ,  $NR^2C(O)R^{2b}$ ,  $C(O)NR^2R^{2a}$ ,  $SO_2NR^2R^{2a}$ ,  $S(O)_pR^{5a}$ ,  $CF_3$ ,  $CF_2CF_3$ , 5-6 membered carbocycle substituted with 0-1  $R^5$ , and a 5-6 membered heterocycle substituted with 0-1  $R^5$  and consisting of:

carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

- 5 R<sup>4b</sup>, at each occurrence, is selected from H, =O, OR<sup>3</sup>,  
CH<sub>2</sub>OR<sup>3</sup>, F, Cl, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>,  
CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, -CN,  
NO<sub>2</sub>, NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, C(O)R<sup>3</sup>, CH<sub>2</sub>-C(O)R<sup>3</sup>, C(O)OR<sup>3c</sup>,  
CH<sub>2</sub>C(O)OR<sup>3c</sup>, NR<sup>3</sup>C(O)R<sup>3a</sup>, CH<sub>2</sub>NR<sup>3</sup>C(O)R<sup>3a</sup>, C(O)NR<sup>3</sup>R<sup>3a</sup>,  
CH<sub>2</sub>C(O)NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>C(O)NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>NR<sup>3</sup>C(O)NR<sup>3</sup>R<sup>3a</sup>,  
10 C(=NR<sup>3</sup>)NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>C(=NR<sup>3</sup>)NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>C(=NR<sup>3</sup>)NR<sup>3</sup>R<sup>3a</sup>,  
CH<sub>2</sub>NR<sup>3</sup>C(=NR<sup>3</sup>)NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>,  
NR<sup>3</sup>SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>NR<sup>3</sup>SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>SO<sub>2</sub>-C<sub>1-4</sub> alkyl,  
CH<sub>2</sub>NR<sup>3</sup>SO<sub>2</sub>-C<sub>1-4</sub> alkyl, NR<sup>3</sup>SO<sub>2</sub>CF<sub>3</sub>, CH<sub>2</sub>NR<sup>3</sup>SO<sub>2</sub>CF<sub>3</sub>,  
NR<sup>3</sup>SO<sub>2</sub>-phenyl, CH<sub>2</sub>NR<sup>3</sup>SO<sub>2</sub>-phenyl, S(O)<sub>p</sub>CF<sub>3</sub>, CH<sub>2</sub>S(O)<sub>p</sub>CF<sub>3</sub>,  
15 S(O)<sub>p</sub>-C<sub>1-4</sub> alkyl, CH<sub>2</sub>S(O)<sub>p</sub>-C<sub>1-4</sub> alkyl, S(O)<sub>p</sub>-phenyl,  
CH<sub>2</sub>S(O)<sub>p</sub>-phenyl, CF<sub>3</sub>, and CH<sub>2</sub>-CF<sub>3</sub>;
- R<sup>4c</sup>, at each occurrence, is selected from =O, (CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>OR<sup>2</sup>,  
(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>F, (CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>Br, (CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>Cl, (CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>CF<sub>3</sub>, C<sub>1-4</sub>  
20 alkyl, C<sub>2-4</sub> alkenyl, C<sub>2-4</sub> alkynyl, (CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>CN,  
(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>NO<sub>2</sub>, (CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>NR<sup>2</sup>R<sup>2a</sup>, (CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>N(→O)R<sup>2</sup>R<sup>2a</sup>,  
(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>C(O)R<sup>2c</sup>, (CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>NR<sup>2</sup>C(O)R<sup>2b</sup>,  
(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>C(O)NR<sup>2</sup>R<sup>2a</sup>, (CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>NR<sup>2</sup>C(O)NR<sup>2</sup>R<sup>2a</sup>,  
(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, (CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>NR<sup>2</sup>SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>,  
25 (CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>NR<sup>2</sup>SO<sub>2</sub>R<sup>5a</sup>, (CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>S(O)<sub>p</sub>R<sup>5a</sup>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>,  
(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>C<sub>3-10</sub> carbocycle substituted with 0-2 R<sup>4b</sup>, and  
(CR<sup>3</sup>R<sup>3a</sup>)<sub>r</sub>5-10 membered heterocycle substituted with 0-2  
R<sup>4b</sup> and consisting of carbon atoms and from 1-4  
heteroatoms selected from the group consisting of N,  
30 O, and S(O)<sub>p</sub>;

$R^5$ , at each occurrence, is selected from H, =O,  $CH_3$ ,  $CH_2CH_3$ ,  
 $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  $CH_2CH(CH_3)_2$ ,  
 $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ ,  $OR^3$ ,  $CH_2OR^3$ , F, Cl, -CN,  $NO_2$ ,  
 $NR^3R^{3a}$ ,  $CH_2NR^3R^{3a}$ ,  $C(O)R^3$ ,  $CH_2C(O)R^3$ ,  $C(O)OR^{3c}$ ,  
5  $CH_2C(O)OR^{3c}$ ,  $NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $NR^3C(O)NR^3R^{3a}$ ,  
 $CH(=NOR^{3d})$ ,  $C(=NR^3)NR^3R^{3a}$ ,  $NR^3C(=NR^3)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  
 $NR^3SO_2NR^3R^{3a}$ ,  $NR^3SO_2-C_{1-4}$  alkyl,  $NR^3SO_2CF_3$ ,  $NR^3SO_2-$   
phenyl,  $S(O)_pCF_3$ ,  $S(O)_p-C_{1-4}$  alkyl,  $S(O)_p$ -phenyl,  $CF_3$ ,  
phenyl substituted with 0-2  $R^6$ , naphthyl substituted  
10 with 0-2  $R^6$ , and benzyl substituted with 0-2  $R^6$ ;

$R^6$ , at each occurrence, is selected from H, OH,  $OR^2$ , F, Cl,  
 $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $CH_2CH_2CH_2CH_3$ ,  
 $CH_2CH(CH_3)_2$ ,  $CH(CH_3)CH_2CH_3$ ,  $C(CH_3)_3$ , -CN,  $NO_2$ ,  $NR^2R^{2a}$ ,  
15  $CH_2NR^2R^{2a}$ ,  $C(O)R^{2b}$ ,  $CH_2C(O)R^{2b}$ ,  $NR^2C(O)R^{2b}$ ,  
 $NR^2C(O)NR^2R^{2a}$ ,  $C(=NH)NH_2$ ,  $NHC(=NH)NH_2$ ,  $SO_2NR^2R^{2a}$ ,  
 $NR^2SO_2NR^2R^{2a}$ , and  $NR^2SO_2C_{1-4}$  alkyl; and,

$r$ , at each occurrence, is selected from 0, 1, 2, and 3.  
20

[10] In another preferred embodiment, the present invention  
provides a novel compound, wherein:

25 ring M, including  $M_1$ ,  $M_2$ , and, if present,  $M_3$ , is selected  
from phenyl, pyrrole, furan, thiophene, pyrazole,  
imidazole, isoxazole, oxazole, isothiazole, thiazole,  
1,2,3-triazole, 1,2,4-triazole, 1,3,4-triazole, 1,2,3-  
oxadiazole, 1,2,4-oxadiazole, 1,3,4-oxadiazole, 1,2,3-  
30 thiadiazole, 1,2,4-thiadiazole, 1,3,4-thiadiazole,  
1,2,3,4-tetrazole, 1,2,3,5-tetrazole, pyran,  
thiopyran, thiopyran-1,1-dioxide, pyridine,  
pyrimidine, pyridazine, pyrazine, 1,2,3-triazine,  
1,2,4-triazine, 1,2,3,4-tetrazine, dihydro-pyrrole,

dihydro-furan, dihydro-thiophene, dihydro-pyrazole,  
dihydro-imidazole, dihydro-isoxazole, dihydro-oxazole,  
dihydro-isothiazole, dihydro-thiazole, dihydro-1,2,3-  
5 triazole, dihydro-1,2,4-triazole, dihydro-1,3,4-  
triazole, dihydro-1,2,3-oxadiazole, dihydro-1,2,4-  
oxadiazole, dihydro-1,3,4-oxadiazole, dihydro-1,2,3-  
thiadiazole, dihydro-1,2,4-thiadiazole, dihydro-1,3,4-  
thiadiazole, dihydro-1,2,3,4-tetrazole, dihydro-  
1,2,3,5-tetrazole, dihydro-pyran, dihydro-thiopyran,  
10 dihydro-thiopyran-1,1-dioxide, dihydro-pyridine,  
dihydro-pyrimidine, dihydro-pyridazine, dihydro-  
pyrazine, dihydro-1,2,3-triazine, dihydro-1,2,4-  
triazine, dihydro-1,2,3,4-tetrazine, cyclopropane,  
cyclobutane, cyclopentene, cyclopentane, cyclohexene,  
15 cyclohexane, cycloheptane, tetrahydro-pyrrole,  
tetrahydro-furan, tetrahydro-thiophene, tetrahydro-  
thiophene-1,1-dioxide, tetrahydro-pyrazole,  
tetrahydro-imidazole, tetrahydro-isoxazole,  
tetrahydro-oxazole, tetrahydro-isothiazole,  
20 tetrahydro-thiazole, tetrahydro-1,2,3-triazole,  
tetrahydro-1,2,4-triazole, tetrahydro-1,3,4-triazole,  
tetrahydro-1,2,3-oxadiazole, tetrahydro-1,2,4-  
oxadiazole, tetrahydro-1,3,4-oxadiazole, tetrahydro-  
1,2,3-thiadiazole, tetrahydro-1,2,4-thiadiazole,  
25 tetrahydro-1,3,4-thiadiazole, tetrahydro-1,2,3,4-  
tetrazole, tetrahydro-1,2,3,5-tetrazole, tetrahydro-  
pyran, tetrahydro-thiopyran, tetrahydro-thiopyran-1,1-  
dioxide, tetrahydro-pyridine, tetrahydro-pyrimidine,  
tetrahydro-pyridazine, tetrahydro-pyrazine,  
30 tetrahydro-1,2,3-triazine, tetrahydro-1,2,4-triazine,  
tetrahydro-1,2,3,4-tetrazine, piperidine, indan,  
isothiazolidine 1,1-dioxide, [1,2]thiazinane 1,1-  
dioxide, 1,2,3,4-tetrahydro-naphthalene, 7,8-dimethyl-  
1-oxa-spiro[4.4]nonane, 6,7-dihydro-5H-[1]pyrindine,  
35 6,7-dihydro-5H-[2]pyrindine, 5,6,7,8-tetrahydro-  
quinoline, 5,6,7,8-tetrahydro-isoquinoline, 5,6,7,8-

tetrahydro-quinoxaline, 6,7-dihydro-5H-cyclopentapyrazine, 4,5,6,7-tetrahydro-1H-benzoimidazole, 4,5,6,7-tetrahydro-benzothiazole, 4,5,6,7-tetrahydro-benzooxazole, 4,5,6,7-tetrahydro-5  
benzo[c]isothiazole, 4,5,6,7-tetrahydro-benzo[c]isoxazole, 4,5,6,7-tetrahydro-2H-indazole, 4,5,6,7-tetrahydro-2H-isoindole, 4,5,6,7-tetrahydro-1H-indole, 5,6,7,8-tetrahydro-tetrazolo[1,5-a]pyridine, 5,6,7,8-tetrahydro-imidazo[1,2-a]pyridine, 10  
4,5,6,7-tetrahydro-pyrazolo[1,5-a]pyridine, 5,6,7,8-tetrahydro-[1,2,4]triazolo[1,5-a]pyridine, 6,7-dihydro-5H-pyrrolo[1,2-c]imidazole, 6,7-dihydro-5H-pyrrolo[1,2-a]imidazole, 6,7-dihydro-5H-pyrrolo[1,2-b][1,2,4]triazole, 6,7-dihydro-5H-pyrrolotetrazole, 15  
5,6-dihydro-4H-pyrrolo[1,2-b]pyrazole, 5,6-dihydro-4H-cyclopenta[d]isoxazole, 5,6-dihydro-4H-cyclopentaoxazole, 5,6-dihydro-4H-cyclopenta[c]isoxazole, 5,6-dihydro-4H-cyclopenta[d]isothiazole, 5,6-dihydro-4H-cyclopentathiazole, 5,6-dihydro-4H-cyclopenta[c]isothiazole, 1,4,5,6-tetrahydro-cyclopentapyrazole, 1,4,5,6-tetrahydro-cyclopentaimidazole, 2,4,5,6-tetrahydro-cyclopentapyrazole, 5,6-dihydro-4H-cyclopenta[1,2,5]thiadiazole, 5,6-dihydro-4H-cyclopenta[1,2,5]oxadiazole, 5,6-dihydro-4H-cyclopenta[c]furan, 2,4,5,6-tetrahydro-cyclopenta[c]pyrrole, 5,6-dihydro-4H-cyclopenta[b]furan, 5,6-dihydro-4H-cyclopenta[c]thiophene, 5,6-dihydro-4H-cyclopenta[b]furan, 5,6-dihydro-4H-cyclopenta[b]thiophene, 1,4,5,6-tetrahydro-cyclopenta[b]pyrrole, 2,3-dihydro-1H-indolizin-5-one, 6,7,8,9-tetrahydro-quinolizin-4-one, 1-oxa-35  
spiro[4.4]nonane, 1-aza-spiro[4.4]nonane, 2-oxa-spiro[4.4]nonane, 2-aza-spiro[4.4]nonane, 1-aza-

spiro[4.5]decane, 1-oxa-spiro[4.5]decane, 2-oxa-spiro[4.5]decane, 2-aza-spiro[4.5]decane, 1-thia-spiro[4.4]nonane, 1-thia-spiro[4.5]decane, 2-thia-spiro[4.4]nonane, 2-thia-spiro[4.5]decane, 7-oxa-bicyclo[2.2.1]heptane, 2-oxa-bicyclo[2.2.1]heptane, 7-thia-bicyclo[2.2.1]heptane, 2-thia-bicyclo[2.2.1]heptane, 2-aza-bicyclo[2.2.1]heptane, 7-aza-bicyclo[2.2.1]heptane, 4,5,6,7-tetrahydro-benzo[d]isoxazole, 4,5,6,7-tetrahydro-benzooxazole, 4,5,6,7-tetrahydro-benzo[d]isothiazole, 4,5,6,7-tetrahydro-benzothiazole, 4,5,6,7-tetrahydro-1H-indazole, 4,5,6,7-tetrahydro-benzo[c]thiophene, 4,5,6,7-tetrahydro-benzo[b]thiophene, 4,5,6,7-tetrahydro-isobenzofuran, 4,5,6,7-tetrahydro-benzofuran, 5,6,7,8-tetrahydro-quinoxaline, 6,7-dihydro-5H-cyclopentapyrazine, 5,6,7,8-tetrahydro-imidazo[1,5-a]pyridine, 5,6,7,8-tetrahydro-imidazo[1,2-a]pyridine, 5,6,7,8-tetrahydro-[1,2,4]triazolo[1,5-a]pyridine, 5,6,7,8-tetrahydro-tetrazolo[1,5-a]pyridine, 4,5,6,7-tetrahydro-pyrazolo[1,5-a]pyridine, 6,7-dihydro-5H-pyrrolo[1,2-a]imidazole, 6,7-dihydro-5H-pyrrolo[1,2-b][1,2,4]triazole, 5,6-dihydro-4H-pyrrolo[1,2-b]pyrazole, and 6,7-dihydro-5H-pyrrolotetrazole;

25

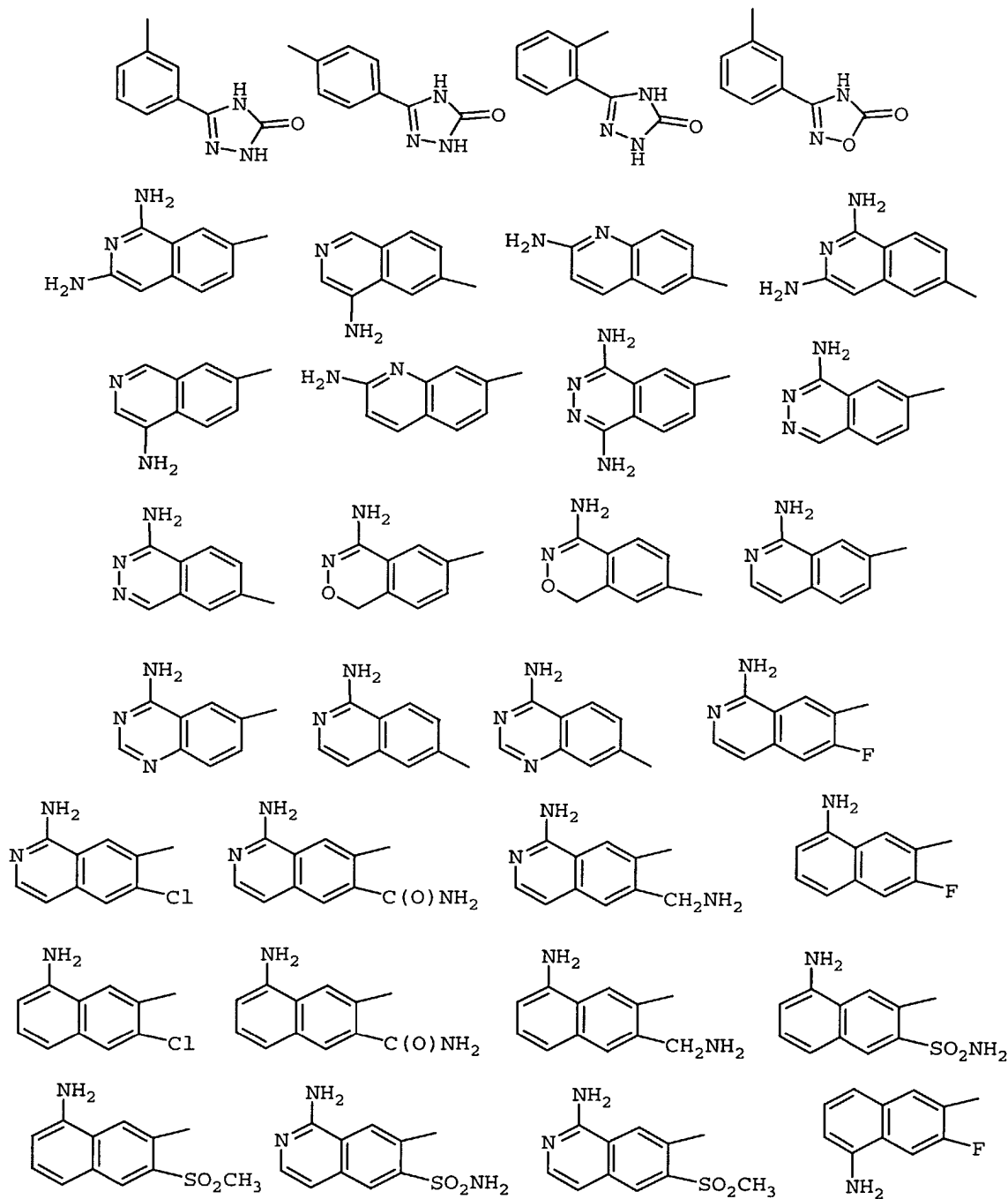
ring M is substituted with 0-3 R<sup>1a</sup> and 0-1 carbonyl group;

G is selected from the group:

phenyl; 4-ethyl-phenyl; 2,5-bis-aminomethyl-phenyl;  
30 2-amido-4-methoxy-phenyl; 2-amido-5-chloro-phenyl;  
2-amido-phenyl; 2-aminomethyl-3-fluoro-phenyl;  
2-aminomethyl-3-methoxy-phenyl;  
2-aminomethyl-4-fluoro-phenyl;  
2-aminomethyl-4-methoxy-phenyl;  
35 2-aminomethyl-5-fluoro-phenyl;  
2-aminomethyl-5-methoxy-phenyl;

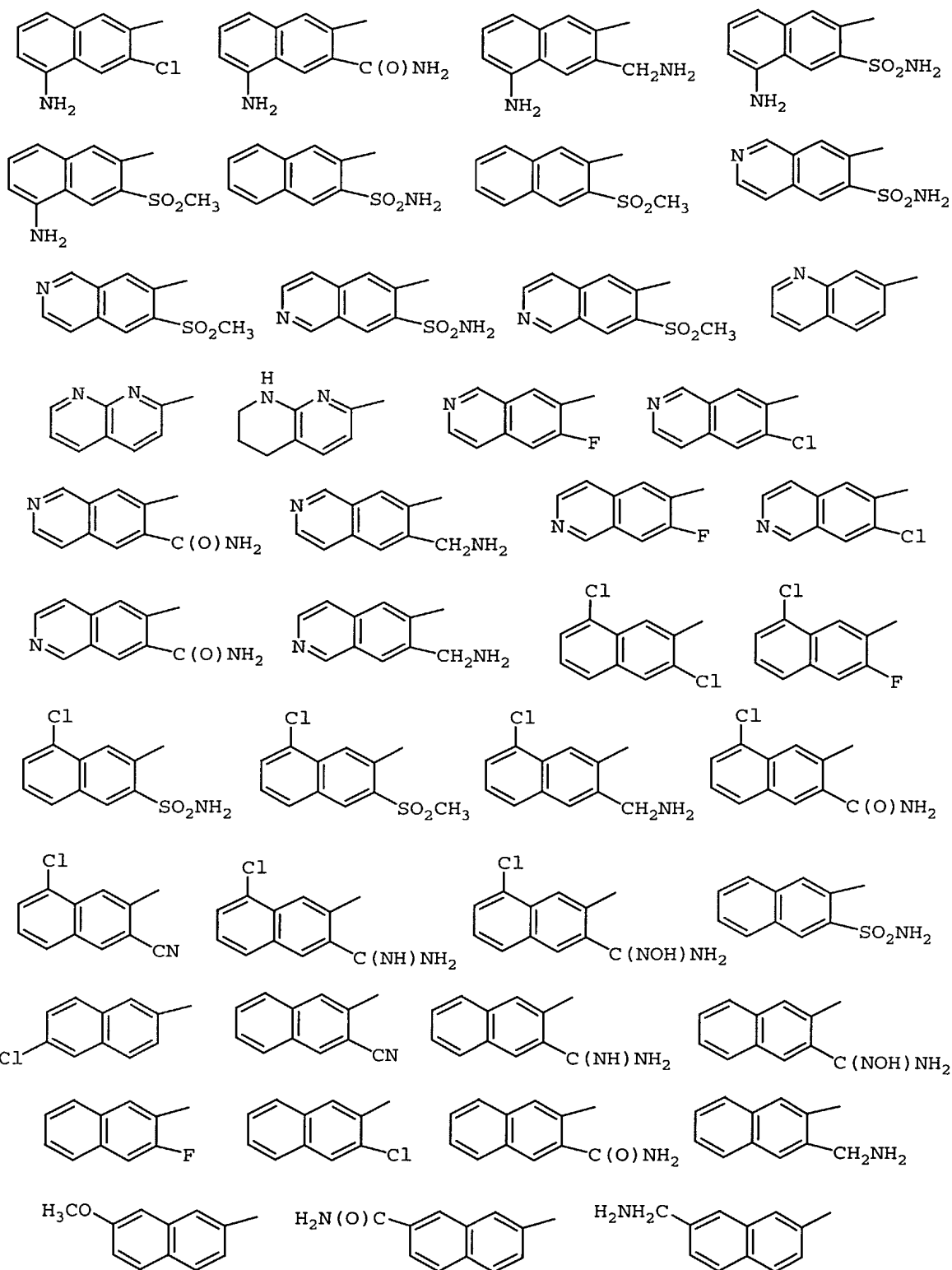
- 2-aminomethyl-6-fluoro-phenyl; 2-aminomethyl-phenyl;  
2-amino-pyrid-4-yl; 2-aminosulfonyl-4-methoxy-phenyl;  
2-aminosulfonyl-phenyl; 2-hydroxy-4-methoxy-phenyl;  
2-methylsulfonyl-phenyl;
- 5 3-(N,N-dimethylamino)-4-chloro-phenyl;  
3-(N,N-dimethylamino)-phenyl; 3-(N-hydroxy-amidino)-phenyl;  
3-(N-methoxy-amidino)-phenyl;  
3-(N-methylamino)-4-chloro-phenyl;  
3-(N-methylamino)-phenyl; 3-amidino-phenyl;
- 10 3-amido-6-hydroxy-phenyl; 3-amido-phenyl;  
3-amino-4-chloro-phenyl; 3-aminomethyl-phenyl;  
3-amino-phenyl; 3-chloro-4-fluoro-phenyl; 3-chloro-phenyl;  
3-hydroxy-4-methoxy-phenyl; 3,5-dichloro-thien-2-yl;  
4-(N,N-dimethylamino)-5-chloro-thien-2-yl;
- 15 4-(N-methylamino)-5-chloro-thien-2-yl;  
4-amino-5-chloro-thien-2-yl; 4-amino-pyrid-2-yl;  
4-chloro-3-fluoro-phenyl; 4-chloro-phenyl;  
4-chloro-pyrid-2-yl; 4-methoxy-2-methylsulfonyl-phenyl;  
4-methoxy-phenyl; 2-methoxy-pyrid-5-yl;
- 20 5-(N,N-dimethylamino)-4-chloro-thien-2-yl;  
5-(N-methylamino)-4-chloro-thien-2-yl;  
5-amino-4-chloro-thien-2-yl;  
5-chloro-2-aminosulfonyl-phenyl;  
5-chloro-2-methylsulfonyl-phenyl; 5-chloro-pyrid-2-yl;
- 25 5-chloro-thien-2-yl; 5-methoxy-thien-2-yl;  
6-amino-5-chloro-pyrid-2-yl; 6-amino-pyrid-2-yl; 5-chloro-  
pyrimidin-3-yl; 6-chloro-pyridazin-3-yl;  
2-aminomethyl-4-chloro-phenyl;  
2-aminosulfonyl-4-chloro-phenyl; 2-amido-4-chloro-phenyl;
- 30 4-chloro-2-methylsulfonyl-phenyl;  
2-aminosulfonyl-4-fluoro-phenyl; 2-amido-4-fluoro-phenyl;  
4-fluoro-2-methylsulfonyl-phenyl;  
2-aminomethyl-4-bromo-phenyl;  
2-aminosulfonyl-4-bromo-phenyl; 2-amido-4-bromo-phenyl;
- 35 4-bromo-2-methylsulfonyl-phenyl;  
2-aminomethyl-4-methyl-phenyl;

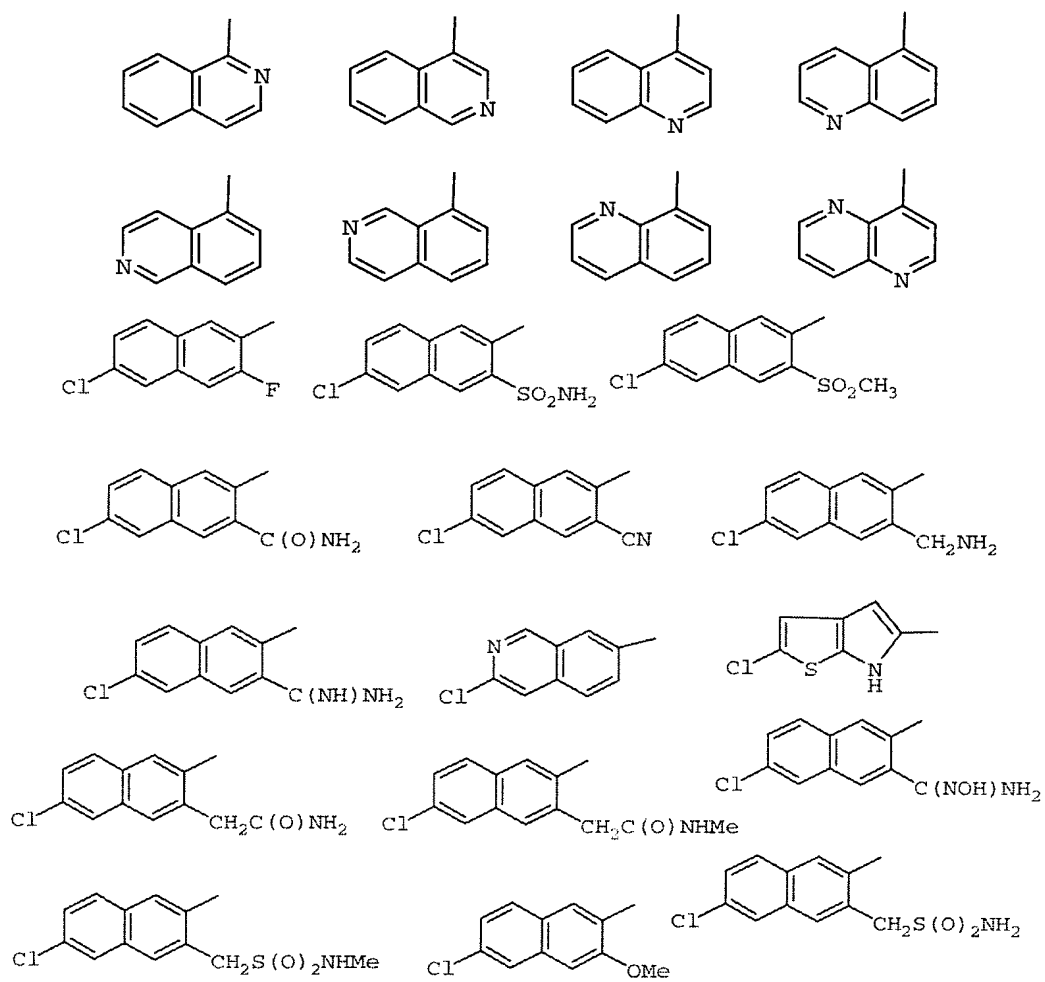
- 2-aminosulfonyl-4-methyl-phenyl; 2-amido-4-methyl-phenyl;  
 2-methylsulfonyl-4-methyl-phenyl; 4-fluoro-pyrid-2-yl;  
 4-bromo-pyrid-2-yl; 4-methyl-pyrid-2-yl;  
 5-fluoro-thien-2-yl; 5-bromo-thien-2-yl;  
 5 5-methyl-thien-2-yl; 2-amido-4-methoxy-phenyl;

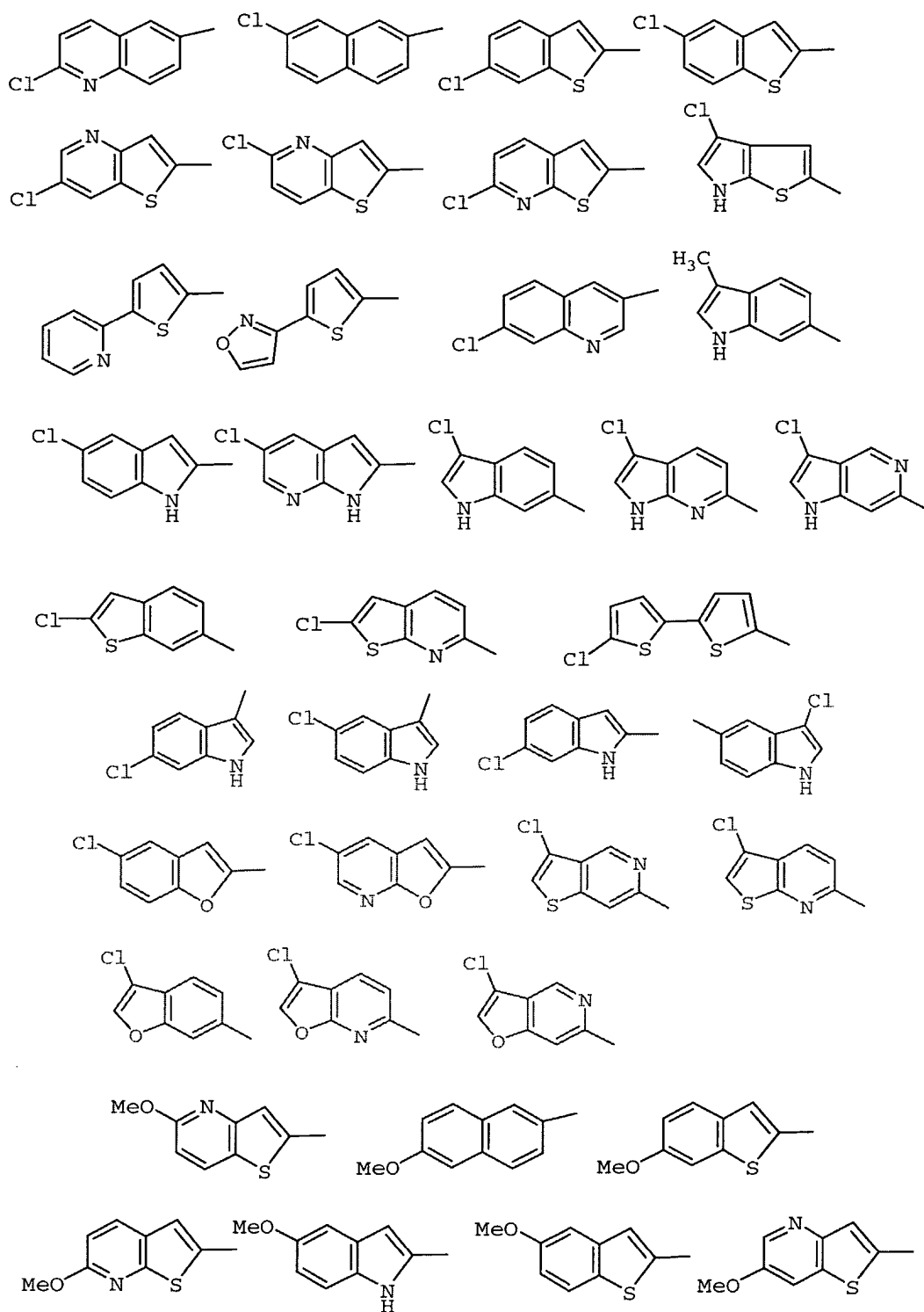


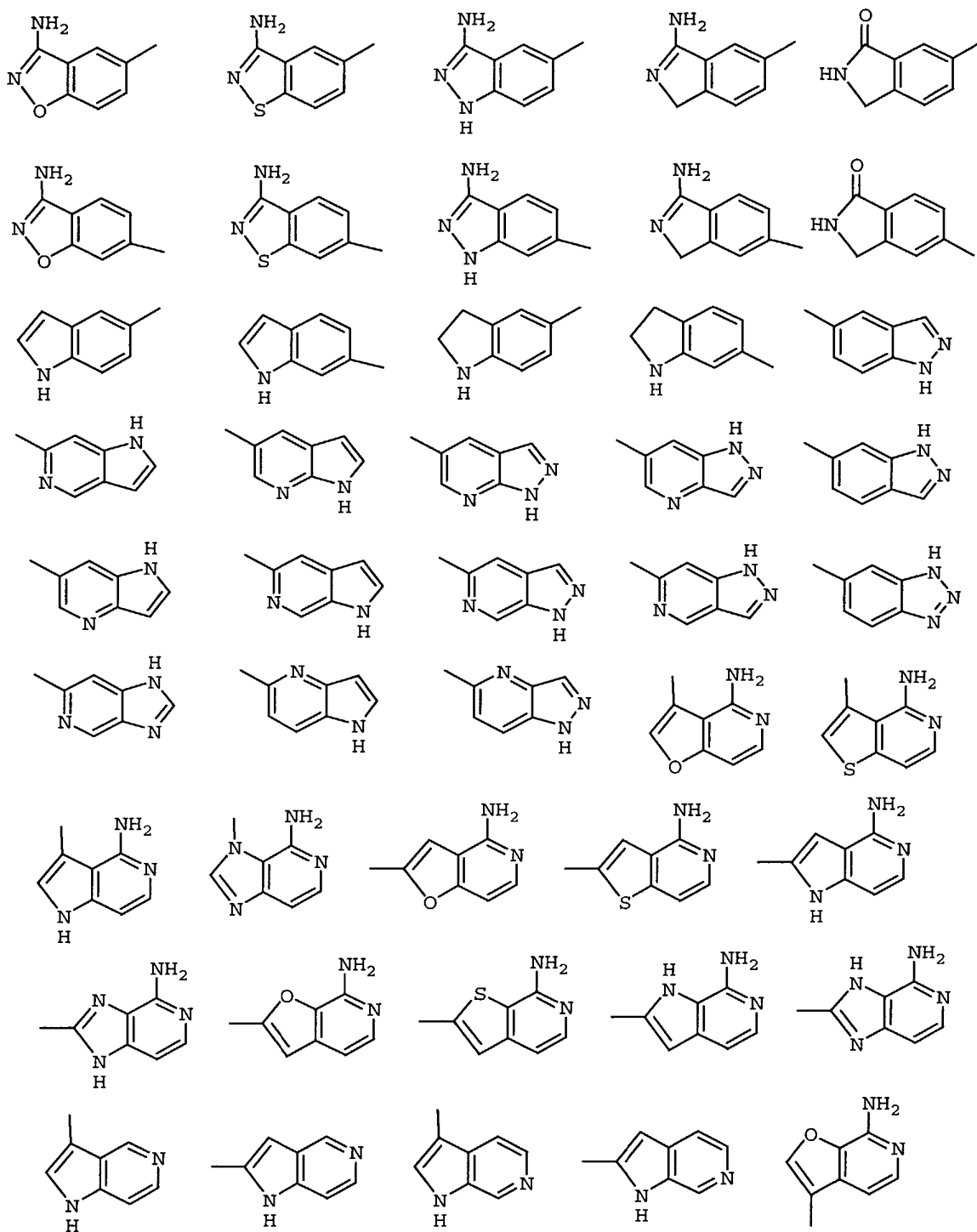


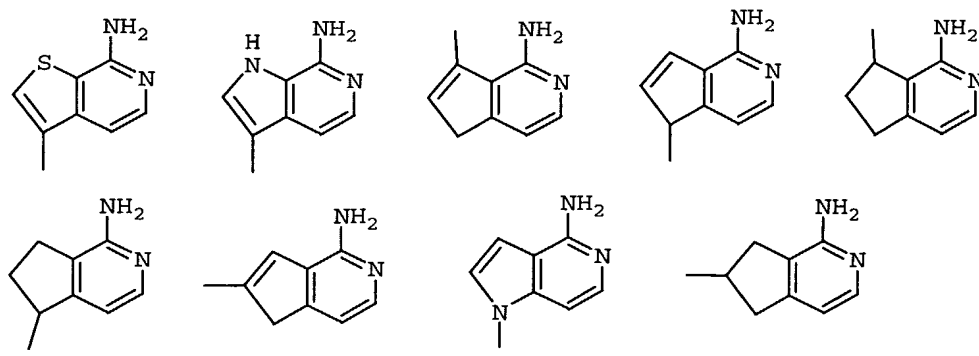
5











$G_1$  is absent or is selected from  $(CR^3R^{3a})_{1-3}$ ,  $CR^3=CR^3$ ,

$(CR^3R^{3a})_u C(O)(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_u O(CR^3R^{3a})_w$ ,

5  $(CR^3R^{3a})_u NR^{3b}(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_u C(O)NR^{3b}(CR^3R^{3a})_w$ ,

$(CR^3R^{3a})_u NR^{3b}C(O)(CR^3R^{3a})_w$ ,

$(CR^3R^{3a})_u NR^{3b}C(O)(CR^3R^{3a})_u C(O)NR^{3b}(CR^3R^{3a})_w$ ,

$(CR^3R^{3a})_u S(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_u S(O)(CR^3R^{3a})_w$ ,

$(CR^3R^{3a})_u S(O)_2(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_u S(O)NR^{3b}(CR^3R^{3a})_w$ ,

10  $(CR^3R^{3a})_u NR^{3b}S(O)_2(CR^3R^{3a})_w$ ,  $(CR^3R^{3a})_u S(O)_2NR^{3b}(CR^3R^{3a})_w$ ,

$(CR^3R^{3a})_u C(O)NR^{3b}S(O)_2(CR^3R^{3a})_w$ ,

$(CR^3R^{3a})_u NR^{3b}C(S)(CR^3R^{3a})_u C(O)NR^{3b}(CR^3R^{3a})_w$ , and

$(CR^3R^{3a})_u NR^{3b}C(O)(CR^3R^{3a})_u C(S)NR^{3b}(CR^3R^{3a})_w$ , wherein  $u$

+  $w$  total 0, 1, or 2, provided that  $G_1$  does not form a

15 N-S, NCH<sub>2</sub>N, NCH<sub>2</sub>O, or NCH<sub>2</sub>S bond with either group to which it is attached;

A is selected from one of the following carbocycles and heterocycles which are substituted with 0-2  $R^4$ ;

20 cyclohexyl, phenyl, piperidinyl, piperazinyl, pyridyl, pyrimidyl, furanyl, morpholinyl, thienyl, pyrrolyl, pyrrolidinyl, oxazolyl, isoxazolyl, thiazolyl, isothiazolyl, pyrazolyl, imidazolyl, 1,2,3-oxadiazolyl, 1,2,4-oxadiazolyl,

25 1,2,5-oxadiazolyl, 1,3,4-oxadiazolyl, 1,2,3-thiadiazolyl, 1,2,4-thiadiazolyl, 1,2,5-thiadiazolyl, 1,3,4-thiadiazolyl,

1,2,3-triazolyl, 1,2,4-triazolyl, 1,2,5-triazolyl,  
1,3,4-triazolyl, benzofuranyl, benzothiofuranyl,  
indoliny, indolyl, benzimidazolyl, benzoxazolyl,  
benzthiazolyl, indazolyl, benzisoxazolyl,  
5 benzisothiazolyl, and isoindazolyl;

X is selected from  $-(CR^2R^{2a})_{1-2}-$ ,  $-C(O)-$ ,  $-S(O)_2-$ ,  
 $-NR^2S(O)_2-$ ,  $-NR^2S(O)_2NR^2-$ ,  $-NR^2C(O)-$ ,  $-C(O)NR^2-$ ,  $NR^2$ ,  
 $-NR^2CR^2R^{2a}-$ ,  $-CR^2R^{2a}NR^2-$ , O,  $-OCR^2R^{2a}-$ , and  $-CR^2R^{2a}O-$ ;  
10

Y is a  $C_{3-6}$  monocyclic carbocycle or 5-6 membered monocyclic  
heterocycle, wherein the carbocycle or heterocycle  
consists of carbon atoms and 0-2 heteroatoms selected  
from N, O, and S(O)<sub>p</sub>, the carbocycle or heterocycle  
15 further comprises 0-1 double bonds and 0-1 carbonyl  
groups, and the carbocycle or heterocycle is  
substituted with 0-2  $R^4$ ;

alternatively, Y is  $CY^1Y^2$ , and  $Y^1$  and  $Y^2$  are independently  
20  $C_{1-2}$  alkyl substituted with 0-1  $R^4$ ;

$R^{1a}$ , at each occurrence, is selected from H,  $R^{1b}$ ,  
 $CH(CH_3)R^{1b}$ ,  $C(CH_3)_2R^{1b}$ ,  $CH_2R^{1b}$ , and  $CH_2CH_2R^{1b}$ , provided  
that  $R^{1a}$  forms other than an N-halo, N-S, or N-CN bond;  
25

alternatively, when two  $R^{1a}$  groups are attached to adjacent  
atoms or to the same carbon atom, together with the  
atoms to which they are attached, they form a 5-6  
membered ring consisting of: carbon atoms and 0-2  
30 heteroatoms selected from the group consisting of N,  
O, and S(O)<sub>p</sub>, this ring being substituted with 0-2  $R^{4b}$   
and comprising: 0-3 double bonds;

$R^{1b}$  is selected from H,  $CH_3$ ,  $CH_2CH_3$ , F, Cl, Br, -CN, -CHO,  $CF_3$ ,  $OR^2$ ,  $NR^2R^{2a}$ ,  $C(O)R^{2b}$ ,  $CO_2R^{2b}$ ,  $OC(O)R^2$ ,  $CO_2R^{2a}$ ,  $S(O)_pR^2$ ,  $NR^2(CH_2)_rOR^2$ ,  $NR^2C(O)R^{2b}$ ,  $C(O)NR^2R^{2a}$ ,  $SO_2NR^2R^{2a}$ ,  $NR^2SO_2R^2$ ,  $C_{3-6}$  carbocycle substituted with 0-2  $R^{4b}$ , and 5-6 membered aromatic heterocycle consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$  and substituted with 0-2  $R^{4b}$ , provided that  $R^{1b}$  forms other than an O-O, N-halo, N-S, or N-CN bond;

10

$R^2$ , at each occurrence, is selected from H,  $CF_3$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , phenyl substituted with 0-2  $R^{4b}$ , benzyl substituted with 0-2  $R^{4b}$ , and 5-6 membered aromatic heterocycle substituted with 0-2  $R^{4b}$  and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ ;

15

$R^{2a}$ , at each occurrence, is selected from H,  $CF_3$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , benzyl,  $C_{3-6}$  carbocycle substituted with 0-2  $R^{4b}$ , and 5-6 membered aromatic heterocycle substituted with 0-2  $R^{4b}$  and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ ;

20

$R^{2b}$ , at each occurrence, is selected from  $CF_3$ ,  $C_{1-4}$  alkoxy,  $C_{1-5}$  alkyl substituted with 0-3  $R^{4b}$ , benzyl,  $C_{3-6}$  carbocycle substituted with 0-2  $R^{4b}$ , and 4-6 membered substituted with 0-2  $R^{4b}$  and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ ;

25  
30

$R^{2c}$ , at each occurrence, is selected from  $CF_3$ , OH,  $OCH_3$ ,  $OCH_2CH_3$ ,  $OCH_2CH_2CH_3$ ,  $OCH(CH_3)_2$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,

CH(CH<sub>3</sub>)<sub>2</sub>, benzyl, phenyl substituted with 0-2 R<sup>4b</sup>, and  
5 5-6 membered aromatic heterocycle substituted with 0-2  
R<sup>4b</sup> and consisting of carbon atoms and from 1-4  
heteroatoms selected from the group consisting of N,  
O, and S(O)<sub>p</sub>;

alternatively, R<sup>2</sup> and R<sup>2a</sup>, together with the nitrogen atom  
to which they are attached, combine to form a 3-6  
10 membered saturated, partially saturated or unsaturated  
ring substituted with 0-2 R<sup>4b</sup> and consisting of: 0-1  
additional heteroatoms selected from the group  
consisting of N, O, and S(O)<sub>p</sub>;

R<sup>2d</sup>, at each occurrence, is selected from H, R<sup>4c</sup>, C<sub>1-4</sub> alkyl  
15 substituted with 0-2 R<sup>4c</sup>, C<sub>3-6</sub> carbocycle substituted  
with 0-2 R<sup>4c</sup>, -(CR<sup>3</sup>R<sup>3a</sup>)-C<sub>3-6</sub> carbocycle substituted with  
0-2 R<sup>4c</sup>, 5-6 membered heterocycle substituted with 0-2  
R<sup>4c</sup> and consisting of: carbon atoms and 1-4  
heteroatoms selected from the group consisting of N,  
20 O, and S(O)<sub>p</sub>, and -(CR<sup>3</sup>R<sup>3a</sup>)-5-6 membered heterocycle  
substituted with 0-2 R<sup>4c</sup> and consisting of: carbon  
atoms and 1-4 heteroatoms selected from the group  
consisting of N, O, and S(O)<sub>p</sub>, provided that R<sup>2d</sup> forms  
other than a N-halo, N-C-halo, S(O)<sub>p</sub>-halo, O-halo, N-  
25 S, S-N, S(O)<sub>p</sub>-S(O)<sub>p</sub>, S-O, O-N, O-S, or O-O moiety;

R<sup>2e</sup>, at each occurrence, is selected from H, R<sup>4c</sup>, C<sub>1-4</sub> alkyl  
substituted with 0-2 R<sup>4c</sup>, C<sub>3-6</sub> carbocycle substituted  
with 0-2 R<sup>4c</sup>, -(CR<sup>3</sup>R<sup>3a</sup>)-C<sub>3-6</sub> carbocycle substituted with  
30 0-2 R<sup>4c</sup>, 5-6 membered heterocycle substituted with 0-2  
R<sup>4c</sup> consisting of: carbon atoms and 1-4 heteroatoms  
selected from the group consisting of N, O, and S(O)<sub>p</sub>,  
and -(CR<sup>3</sup>R<sup>3a</sup>)-5-6 membered heterocycle substituted with  
0-2 R<sup>4c</sup> and consisting of: carbon atoms and 1-4



heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, provided that R<sup>2e</sup> forms other than a C(O)-halo or C(O)-S(O)<sub>p</sub> moiety;

5 R<sup>4</sup>, at each occurrence, is selected from H, (CH<sub>2</sub>)<sub>2</sub>OR<sup>2</sup>, CH<sub>2</sub>OR<sup>2</sup>, OR<sup>2</sup>, F, Cl, Br, I, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, -CN, NO<sub>2</sub>, NR<sup>2</sup>R<sup>2a</sup>, CH<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, (CH<sub>2</sub>)<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, C(O)R<sup>2c</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, C(O)NR<sup>2</sup>R<sup>2a</sup>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, CF<sub>3</sub>, and  
10 CF<sub>2</sub>CF<sub>3</sub>;

R<sup>4a</sup> is selected from -(CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>-5-6 membered carbocycle substituted with 0-3 R<sup>4c</sup>, -(CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>-5-6 membered heterocycle substituted with 0-3 R<sup>4c</sup> and consisting of:  
15 carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, (CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>NR<sup>2d</sup>R<sup>2d</sup>, (CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>N(→O)R<sup>2d</sup>R<sup>2d</sup>, (CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>OR<sup>2d</sup>, (CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>-NR<sup>2d</sup>C(O)R<sup>2e</sup>, (CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>-C(O)R<sup>2e</sup>, (CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>-OC(O)R<sup>2e</sup>, (CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>-C(O)NR<sup>2d</sup>R<sup>2d</sup>,  
20 (CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>-C(O)OR<sup>2d</sup>, (CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>-NR<sup>2d</sup>C(O)NR<sup>2d</sup>R<sup>2d</sup>, (CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>-NR<sup>2d</sup>C(O)OR<sup>2d</sup>, (CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>-SO<sub>2</sub>NR<sup>2d</sup>R<sup>2d</sup>, (CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>-NR<sup>2d</sup>SO<sub>2</sub>R<sup>2d</sup>, and (CR<sup>3</sup>R<sup>3g</sup>)<sub>r</sub>-S(O)<sub>p</sub>R<sup>2d</sup>, provided that S(O)<sub>p</sub>R<sup>2d</sup> forms other than S(O)<sub>2</sub>H or S(O)H;

25 R<sup>4b</sup>, at each occurrence, is selected from H, =O, OR<sup>3</sup>, CH<sub>2</sub>OR<sup>3</sup>, F, Cl, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, -CN, NO<sub>2</sub>, NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, C(O)R<sup>3</sup>, CH<sub>2</sub>-C(O)R<sup>3</sup>, C(O)OR<sup>3c</sup>, CH<sub>2</sub>-C(O)OR<sup>3c</sup>, NR<sup>3</sup>C(O)R<sup>3a</sup>, CH<sub>2</sub>NR<sup>3</sup>C(O)R<sup>3a</sup>, C(O)NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>-C(O)NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>SO<sub>2</sub>-C<sub>1-4</sub> alkyl,  
30 CH<sub>2</sub>NR<sup>3</sup>SO<sub>2</sub>-C<sub>1-4</sub> alkyl, NR<sup>3</sup>SO<sub>2</sub>-phenyl, CH<sub>2</sub>NR<sup>3</sup>SO<sub>2</sub>-phenyl, S(O)<sub>p</sub>CF<sub>3</sub>, CH<sub>2</sub>S(O)<sub>p</sub>CF<sub>3</sub>, S(O)<sub>p</sub>-C<sub>1-4</sub> alkyl, CH<sub>2</sub>S(O)<sub>p</sub>-C<sub>1-4</sub> alkyl, S(O)<sub>p</sub>-phenyl, CH<sub>2</sub>S(O)<sub>p</sub>-phenyl, and CF<sub>3</sub>;

$R^{4c}$ , at each occurrence, is selected from =O,  $OR^2$ ,  
 $(CR^3R^{3a})OR^2$ , F,  $(CR^3R^{3a})F$ , Br,  $(CR^3R^{3a})Br$ , Cl,  
 $(CR^3R^{3a})Cl$ ,  $CF_3$ ,  $(CR^3R^{3a})CF_3$ ,  $C_{1-4}$  alkyl,  $C_{2-3}$  alkenyl,  
5  $C_{2-3}$  alkynyl, -CN,  $(CR^3R^{3a})CN$ ,  $NO_2$ ,  $(CR^3R^{3a})NO_2$ ,  $NR^2R^{2a}$ ,  
 $(CR^3R^{3a})NR^2R^{2a}$ ,  $N(\rightarrow O)R^2R^{2a}$ ,  $(CR^3R^{3a})N(\rightarrow O)R^2R^{2a}$ ,  $C(O)R^{2c}$ ,  
 $(CR^3R^{3a})C(O)R^{2c}$ ,  $NR^2C(O)R^{2b}$ ,  $(CR^3R^{3a})NR^2C(O)R^{2b}$ ,  
 $C(O)NR^2R^{2a}$ ,  $(CR^3R^{3a})C(O)NR^2R^{2a}$ ,  $NR^2C(O)NR^2R^{2a}$ ,  
 $(CR^3R^{3a})NR^2C(O)NR^2R^{2a}$ ,  $SO_2NR^2R^{2a}$ ,  $(CR^3R^{3a})SO_2NR^2R^{2a}$ ,  
10  $NR^2SO_2NR^2R^{2a}$ ,  $(CR^3R^{3a})NR^2SO_2NR^2R^{2a}$ ,  $NR^2SO_2R^{5a}$ ,  
 $(CR^3R^{3a})NR^2SO_2R^{5a}$ ,  $S(O)_pR^{5a}$ ,  $(CR^3R^{3a})S(O)_pR^{5a}$ ,  $CF_3$ ,  
 $CF_2CF_3$ ,  $C_{3-10}$  carbocycle substituted with 0-2  $R^{4b}$ ,  
 $(CR^3R^{3a})C_{3-10}$  carbocycle substituted with 0-2  $R^{4b}$ , 5-10  
membered heterocycle substituted with 0-2  $R^{4b}$  and  
15 consisting of carbon atoms and from 1-4 heteroatoms  
selected from the group consisting of N, O, and  $S(O)_p$ ,  
and  $(CR^3R^{3a})$  5-10 membered heterocycle substituted with  
0-2  $R^{4b}$  and consisting of carbon atoms and from 1-4  
heteroatoms selected from the group consisting of N,  
20 O, and  $S(O)_p$ ;

$R^5$ , at each occurrence, is selected from H, =O,  $CH_3$ ,  $CH_2CH_3$ ,  
 $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $OR^3$ ,  $CH_2OR^3$ , F, Cl, -CN,  $NO_2$ ,  
 $NR^3R^{3a}$ ,  $CH_2NR^3R^{3a}$ ,  $C(O)R^3$ ,  $CH_2C(O)R^3$ ,  $C(O)OR^{3c}$ ,  
25  $CH_2C(O)OR^{3c}$ ,  $NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  
 $NR^3SO_2-C_{1-4}$  alkyl,  $NR^3SO_2CF_3$ ,  $NR^3SO_2$ -phenyl,  $S(O)_pCF_3$ ,  
 $S(O)_p-C_{1-4}$  alkyl,  $S(O)_p$ -phenyl,  $CF_3$ , phenyl substituted  
with 0-2  $R^6$ , naphthyl substituted with 0-2  $R^6$ , and  
benzyl substituted with 0-2  $R^6$ ;

30

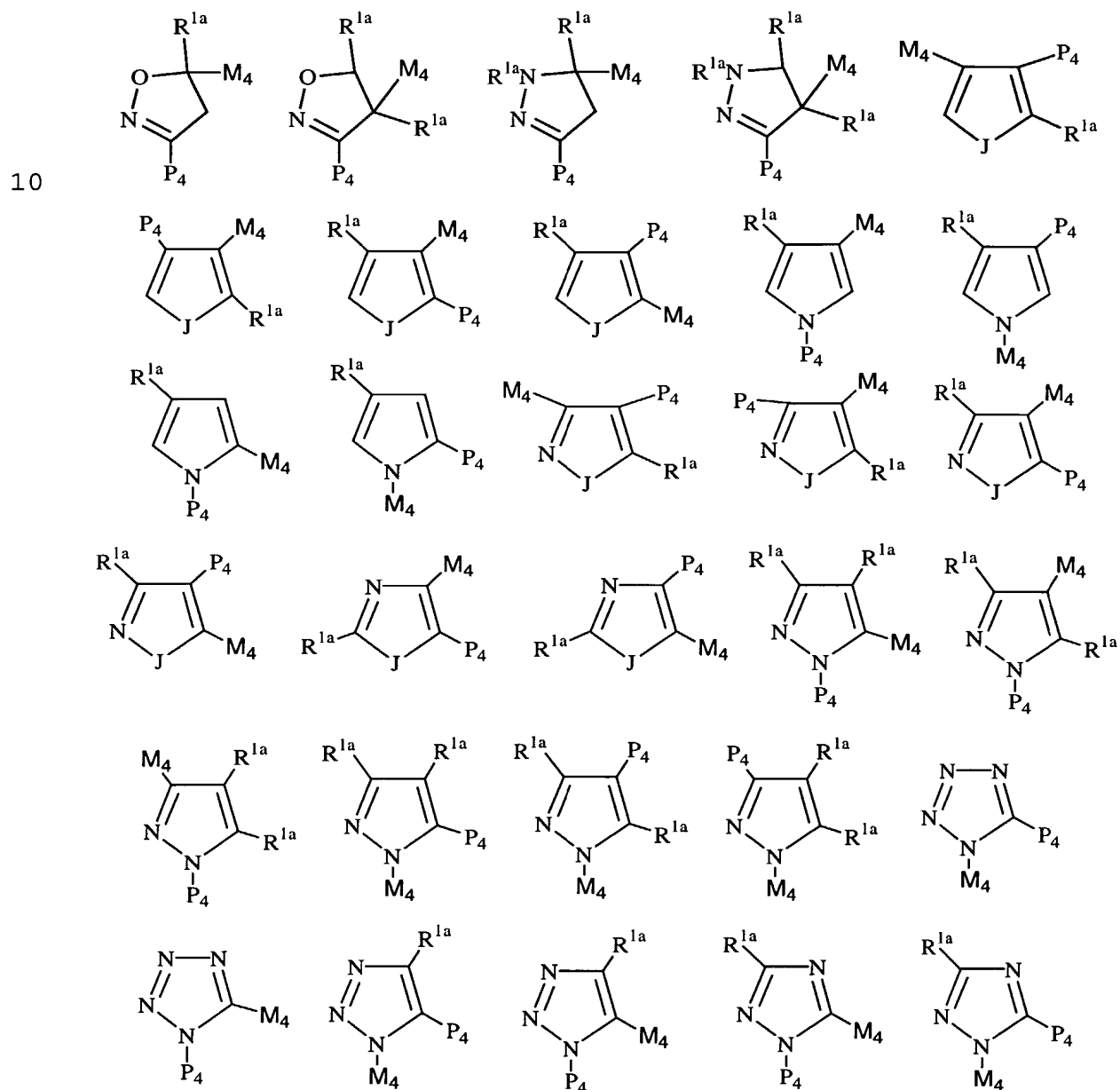
$R^6$ , at each occurrence, is selected from H, OH,  $OR^2$ , F, Cl,  
 $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ , -CN,  $NO_2$ ,  $NR^2R^{2a}$ ,

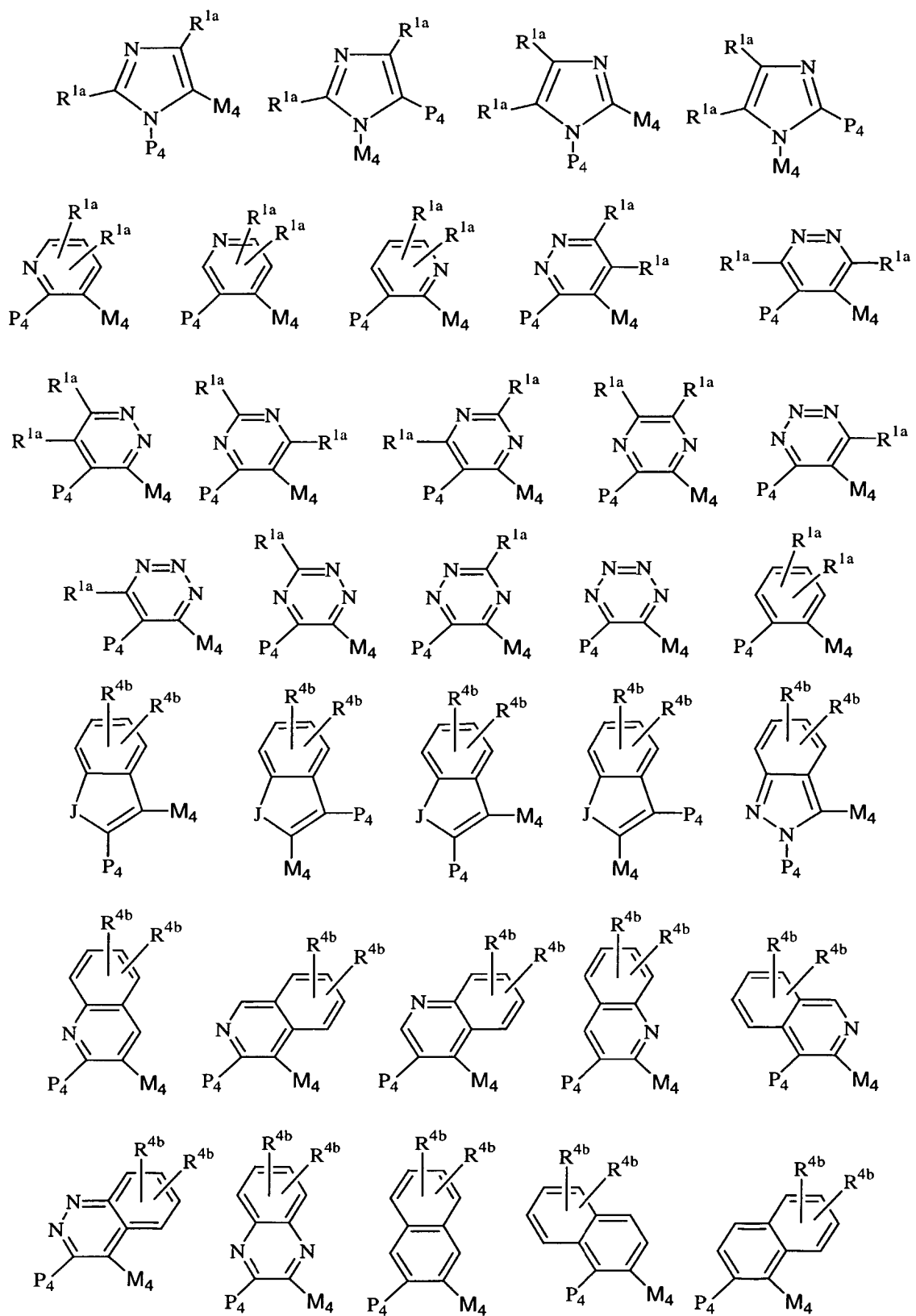
$\text{CH}_2\text{NR}^2\text{R}^{2a}$ ,  $\text{C}(\text{O})\text{R}^{2b}$ ,  $\text{CH}_2\text{C}(\text{O})\text{R}^{2b}$ ,  $\text{NR}^2\text{C}(\text{O})\text{R}^{2b}$ ,  $\text{SO}_2\text{NR}^2\text{R}^{2a}$ ,  
and  $\text{NR}^2\text{SO}_2\text{C}_{1-4}$  alkyl; and,

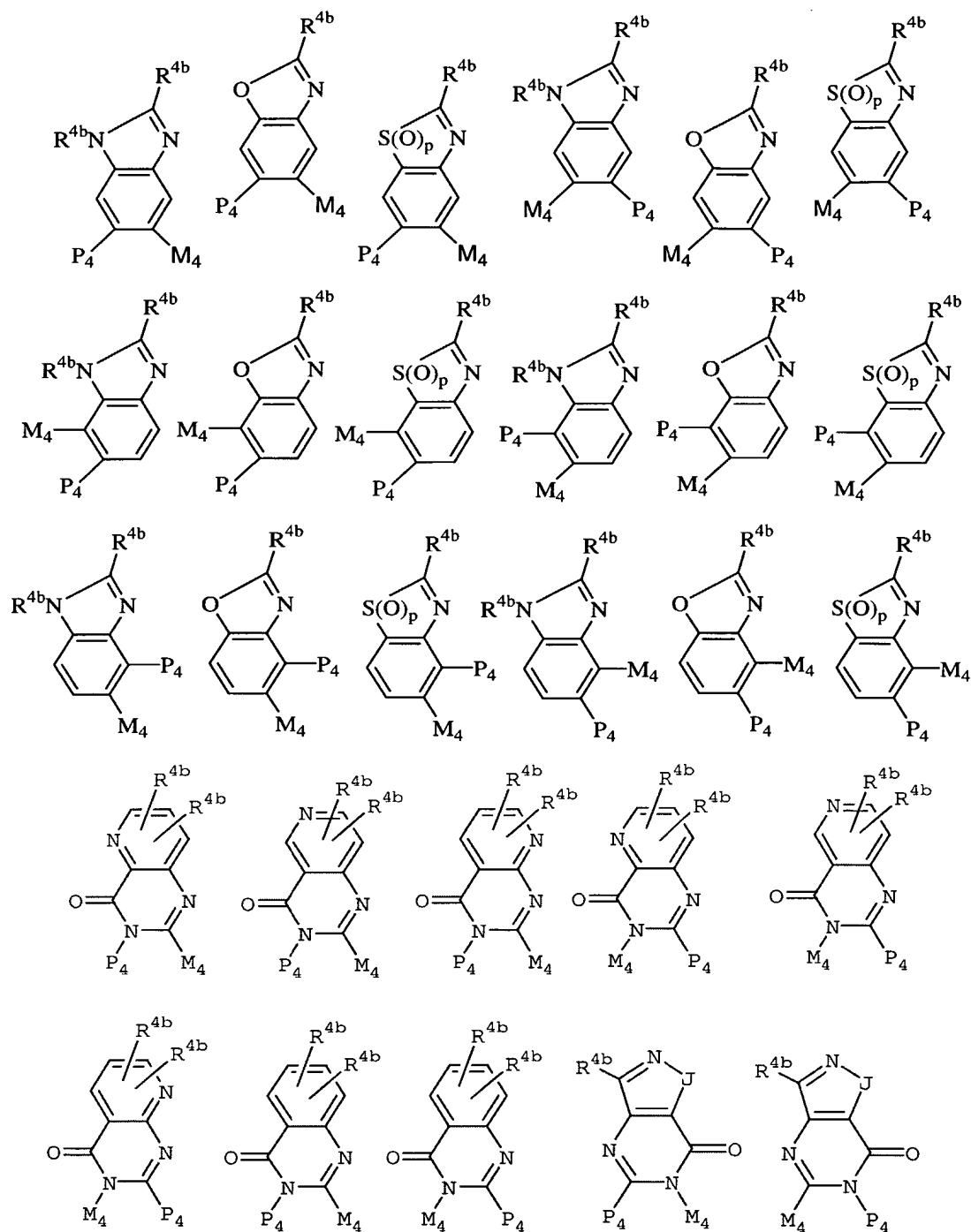
$r$ , at each occurrence, is selected from 0, 1, and 2.

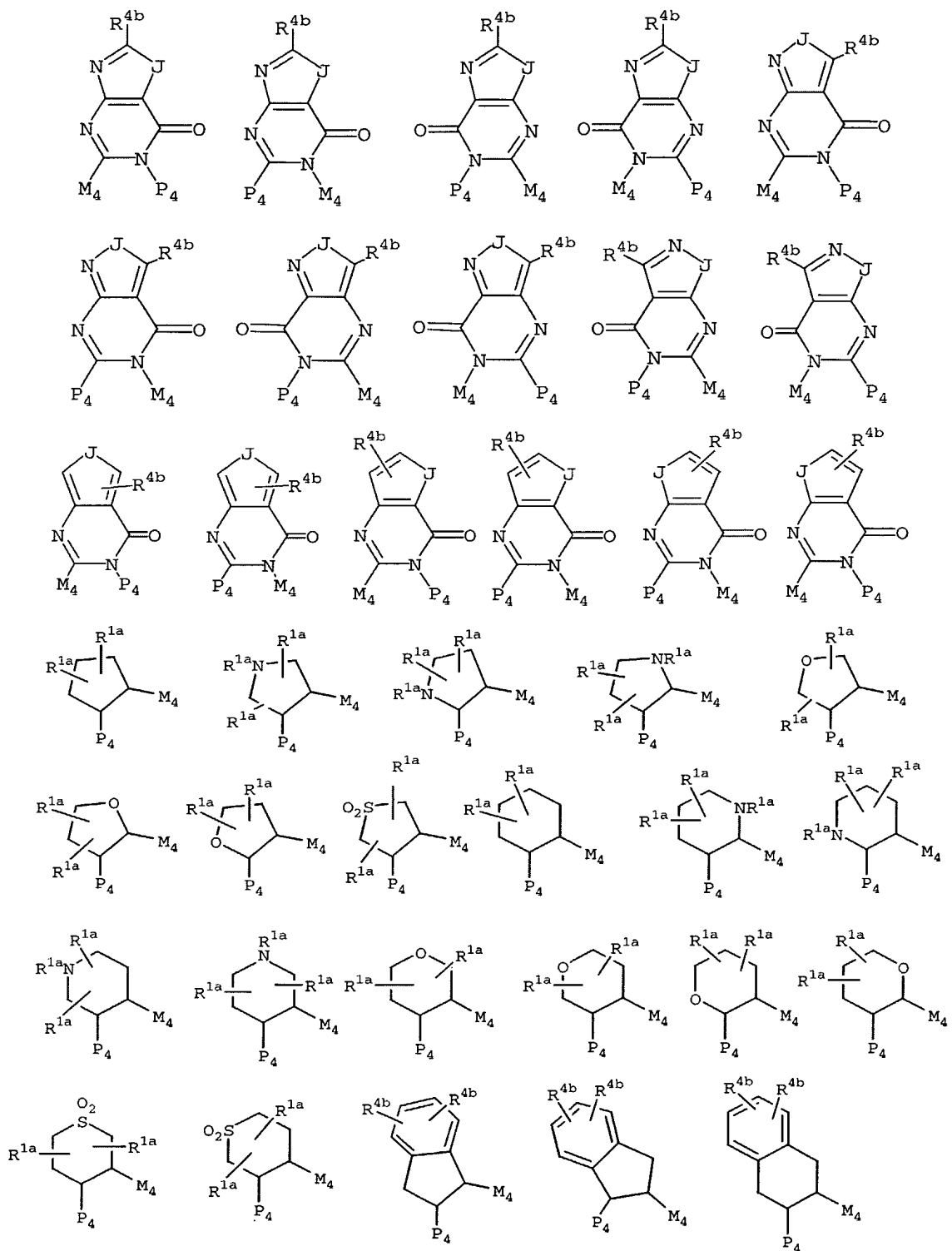
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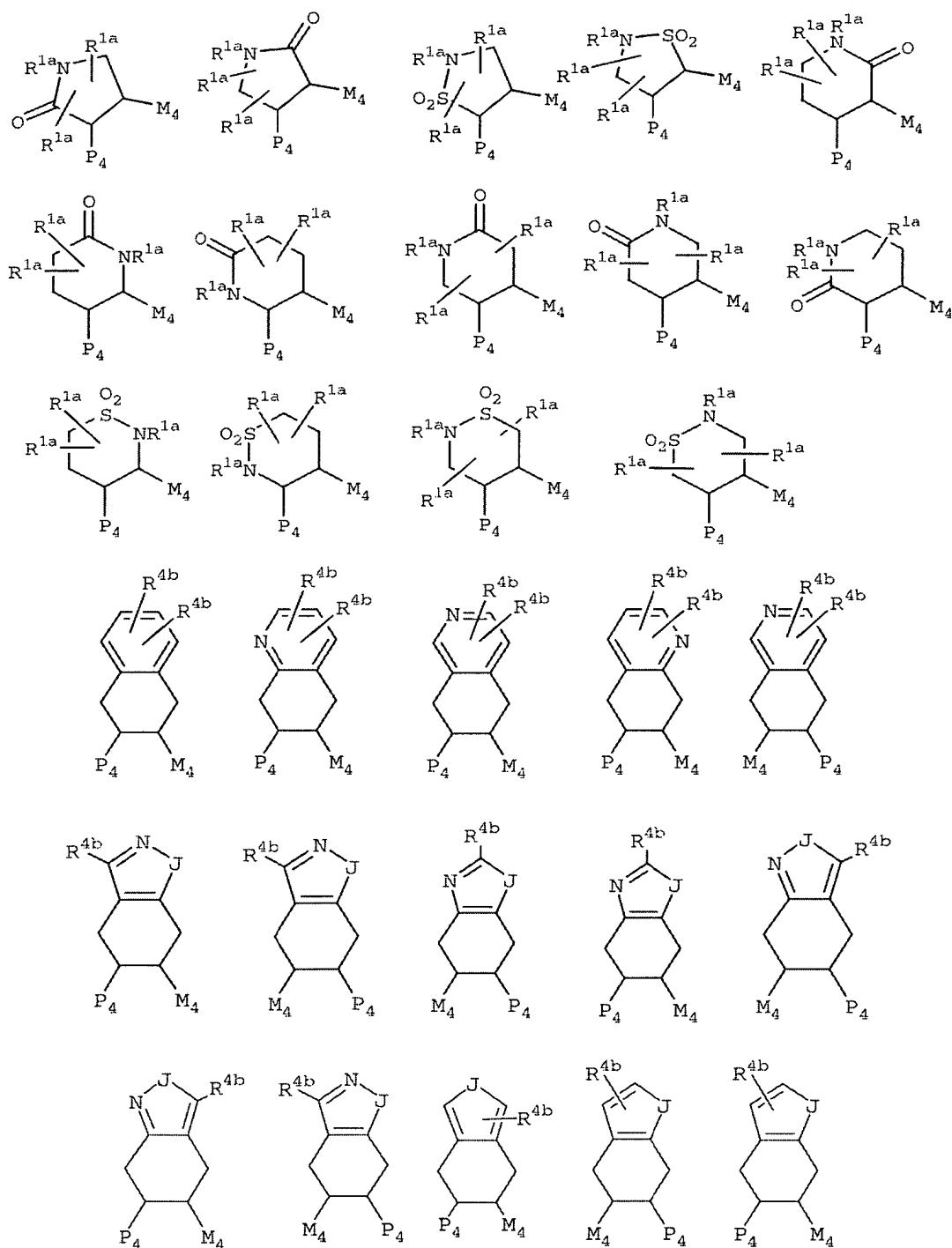
[11] In another preferred embodiment, the present invention provides a novel compound, wherein the compound is selected from:

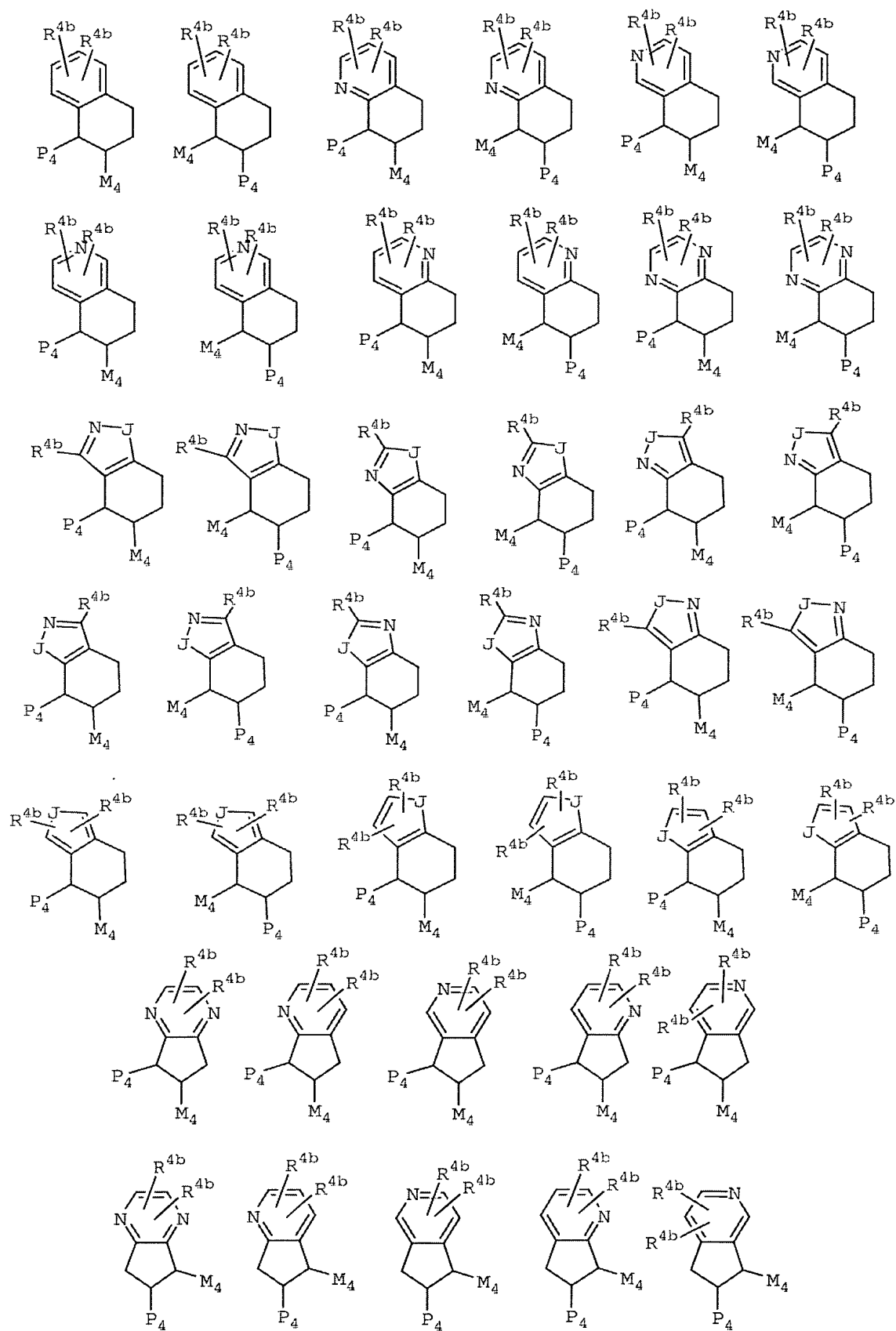




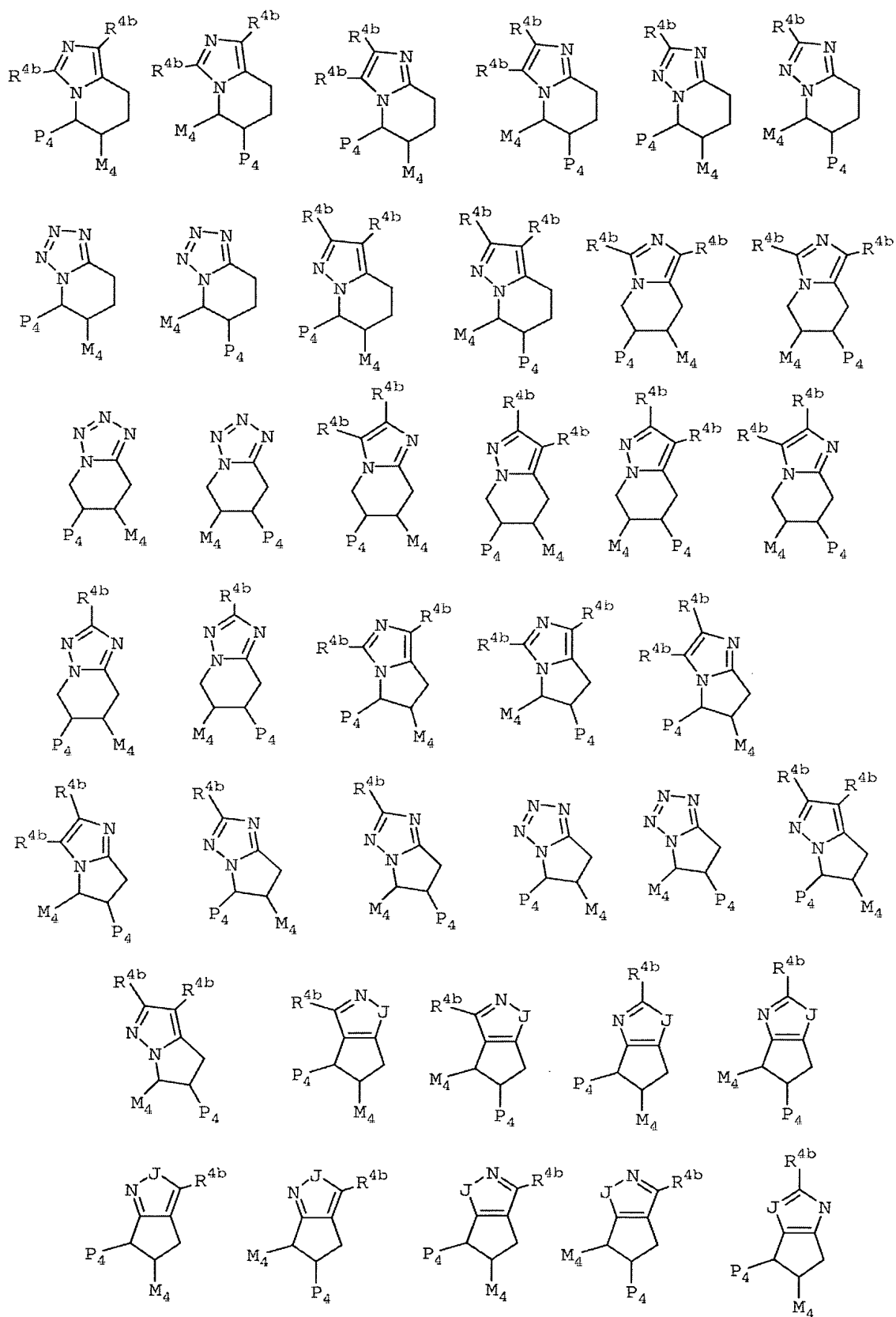


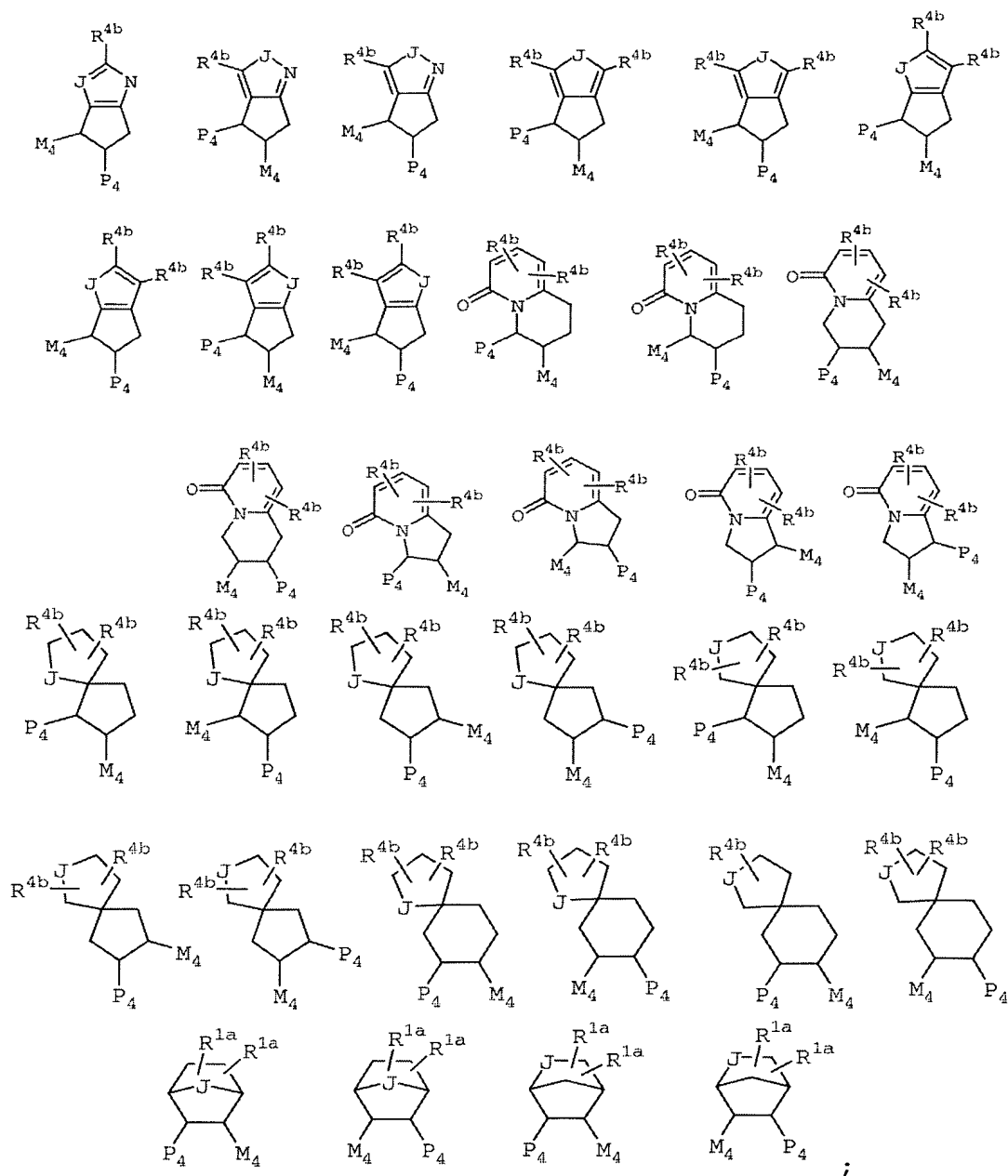










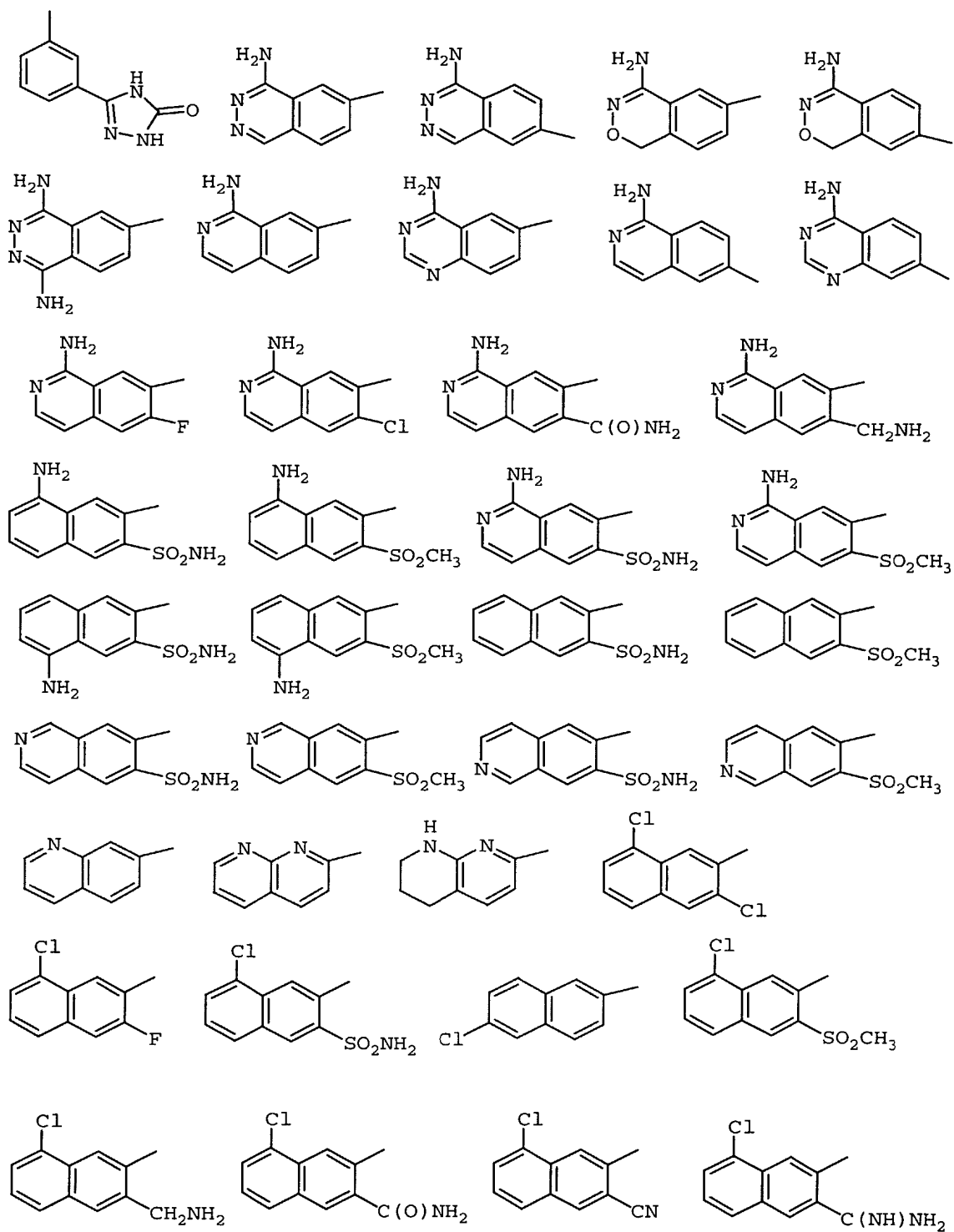


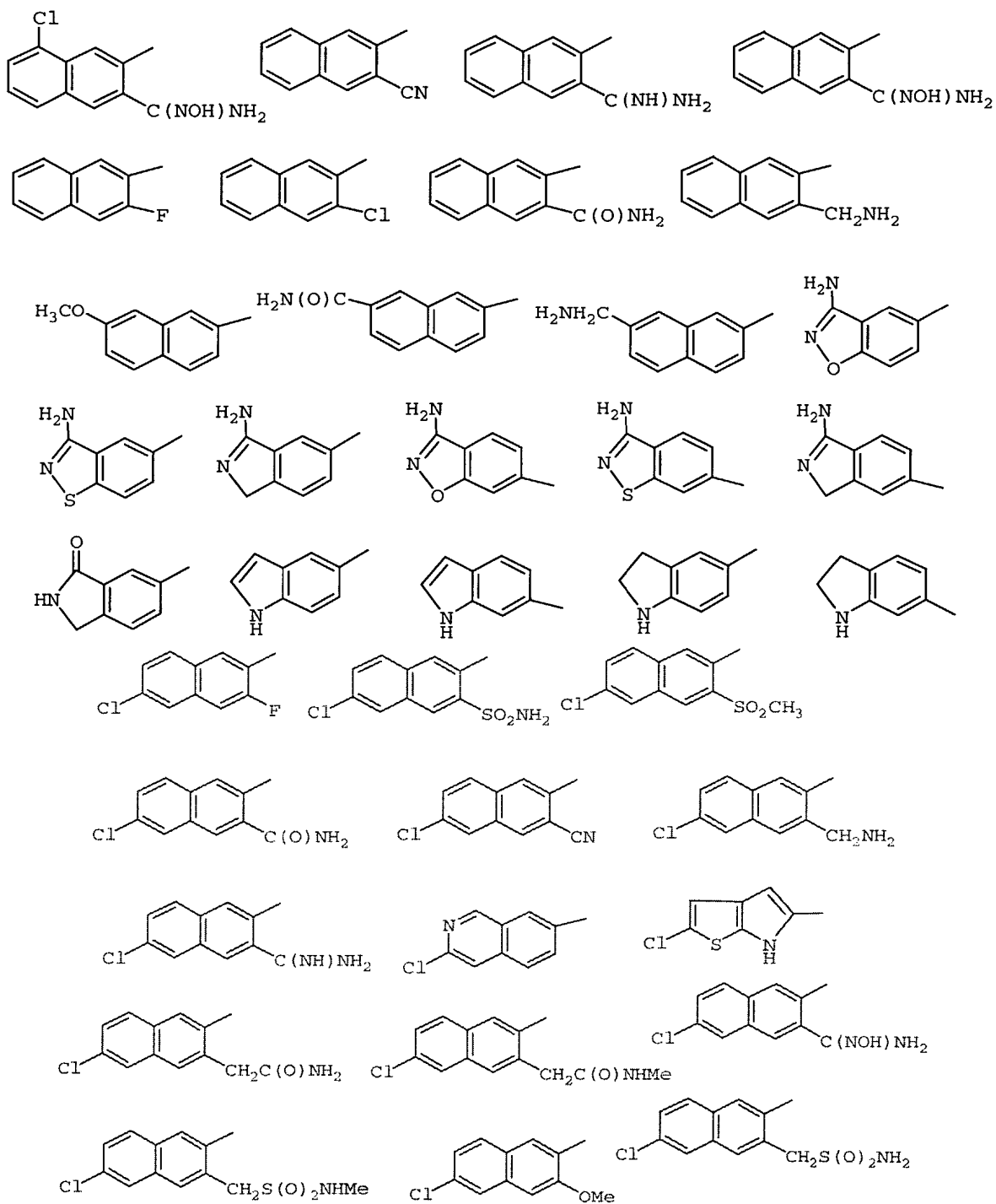
5  $J$  is selected from O, S, NH, and  $NR^{1a}$ ;

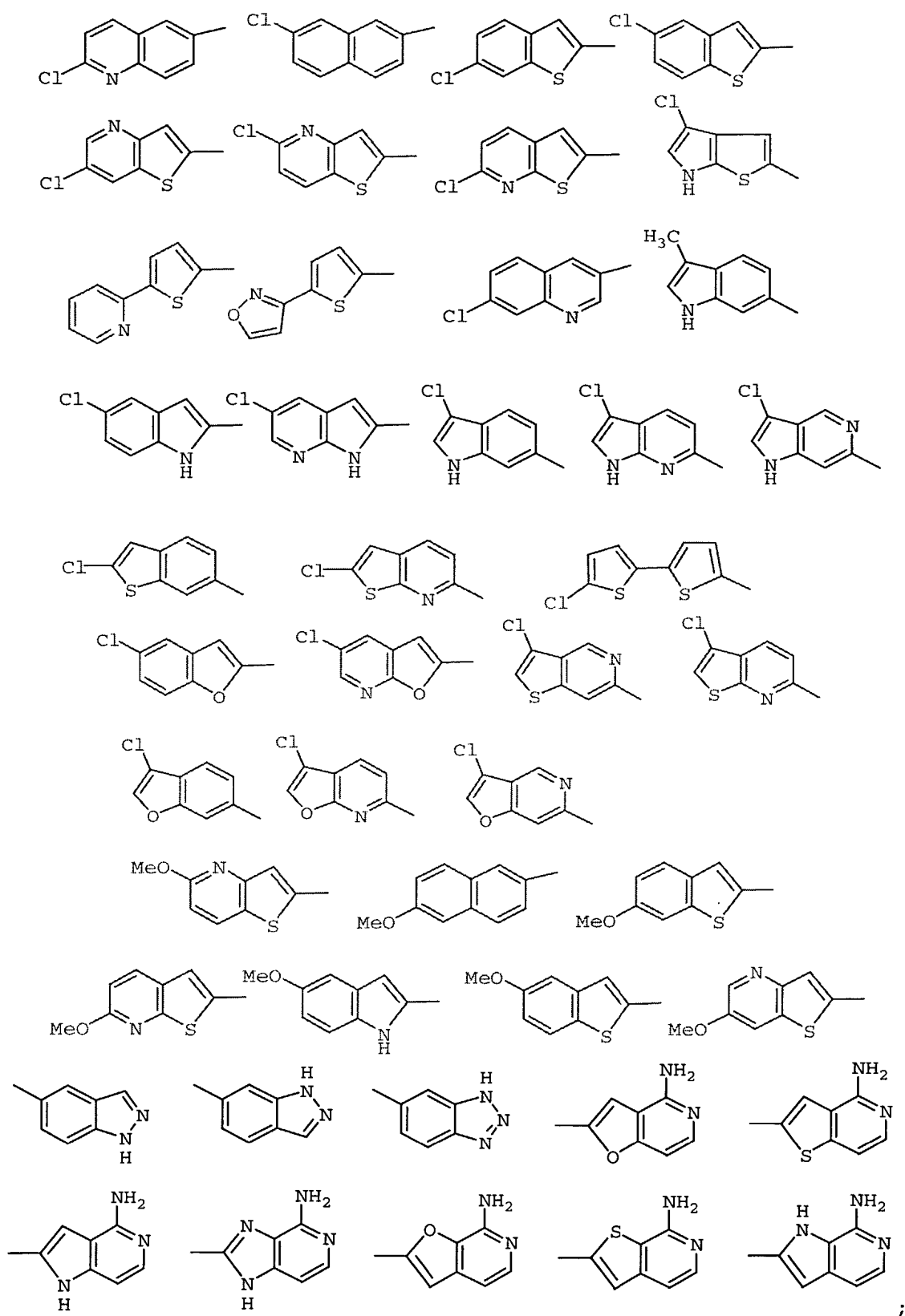
$G$  is selected from the group:

- 2-amido-4-methoxy-phenyl; 2-amido-phenyl;
- 2-aminomethyl-3-fluoro-phenyl;
- 10 2-aminomethyl-4-fluoro-phenyl;
- 2-aminomethyl-4-methoxy-phenyl;
- 2-aminomethyl-5-fluoro-phenyl;
- 2-aminomethyl-5-methoxy-phenyl;

- 2-aminomethyl-6-fluoro-phenyl; 2-aminomethyl-phenyl;  
2-amino-pyrid-4-yl; 2-aminosulfonyl-4-methoxy-phenyl;  
2-aminosulfonyl-phenyl; 2-methylsulfonyl-phenyl;  
3-(N,N-dimethylamino)-4-chloro-phenyl;  
5 3-(N,N-dimethylamino)-phenyl;  
3-(N-methylamino)-4-chloro-phenyl;  
3-(N-methylamino)-phenyl; 3-amido-phenyl;  
3-amino-4-chloro-phenyl; 3-aminomethyl-phenyl;  
3-amino-phenyl; 3-chloro-phenyl; 3,5-dichloro-thien-2-yl;  
10 4-(N,N-dimethylamino)-5-chloro-thien-2-yl;  
4-(N-methylamino)-5-chloro-thien-2-yl;  
4-amino-5-chloro-thien-2-yl; 4-chloro-phenyl;  
4-methoxy-2-methylsulfonyl-phenyl; 4-methoxy-phenyl;  
5-(N,N-dimethylamino)-4-chloro-thien-2-yl;  
15 5-(N-methylamino)-4-chloro-thien-2-yl;  
5-amino-4-chloro-thien-2-yl; 5-chloro-pyrid-2-yl;  
5-chloro-thien-2-yl; 5-methoxy-thien-2-yl;  
6-amino-5-chloro-pyrid-2-yl; 6-amino-pyrid-2-yl; 5-chloro-  
pyrimidin-3-yl; 6-chloro-pyridazin-3-yl;  
20 2-aminomethyl-4-chloro-phenyl;  
2-aminosulfonyl-4-chloro-phenyl; 2-amido-4-chloro-phenyl;  
4-chloro-2-methylsulfonyl-phenyl;  
2-aminosulfonyl-4-fluoro-phenyl; 2-amido-4-fluoro-phenyl;  
4-fluoro-2-methylsulfonyl-phenyl;  
25 2-aminomethyl-4-bromo-phenyl;  
2-aminosulfonyl-4-bromo-phenyl; 2-amido-4-bromo-phenyl;  
4-bromo-2-methylsulfonyl-phenyl;  
2-aminomethyl-4-methyl-phenyl;  
2-aminosulfonyl-4-methyl-phenyl; 2-amido-4-methyl-phenyl;  
30 2-methylsulfonyl-4-methyl-phenyl; 4-fluoro-pyrid-2-yl;  
4-bromo-pyrid-2-yl; 4-methyl-pyrid-2-yl;  
5-fluoro-thien-2-yl; 5-bromo-thien-2-yl;  
5-methyl-thien-2-yl; 2-amido-4-methoxy-phenyl;







- $G_1$  is absent or is selected from  $CH_2$ ,  $CH_2CH_2$ ,  $CH=CH$ ,  $CH_2O$ ,  
 $OCH_2$ ,  $NH$ ,  $CH_2NH$ ,  $NHCH_2$ ,  $CH_2C(O)$ ,  $C(O)CH_2$ ,  $C(O)NH$ ,  
 $NHC(O)$ ,  $NHC(O)NH$ ,  $C(O)NHS(O)_2$ ,  $NHCOCONH$ ,  $NHCOC(S)NH$ ,  
 $NHC(S)CONH$ ,  $CH_2S(O)_2$ ,  $S(O)_2(CH_2)$ ,  $SO_2NH$ , and  $NHSO_2$ ,  
 5 provided that  $G_1$  does not form a N-S,  $NCH_2N$ ,  $NCH_2O$ , or  
 $NCH_2S$  bond with either group to which it is attached;
- A is selected from cyclohexyl, indolinyl, piperidinyl,  
 phenyl, pyridyl, and pyrimidyl, and is substituted  
 10 with 0-2  $R^4$ ;
- X is selected from  $CH_2$ ,  $C(O)$ ,  $-S(O)_2-$ ,  $-NHC(O)-$ ,  $-C(O)NH-$ ,  
 $-CH_2NH-$ , O, and  $-CH_2O-$ ;
- 15 Y is selected from  $C(CH_3)_2$ ,  $C(CH_2CH_3)_2$ , cyclopropyl,  
 cyclobutyl, cyclopentyl, cyclopentanonyl, cyclohexyl,  
 cyclohexanonyl, pyrrolidinyl, pyrrolidinonyl,  
 piperidinyl, piperidinonyl, tetrahydrofuranyl, and  
 tetrahydropyranyl, and, when Y is a ring, Y is  
 20 substituted with 0-1  $R^4$ ;
- $R^{1a}$ , at each occurrence, is selected from H,  $R^{1b}$ ,  
 $CH(CH_3)R^{1b}$ ,  $C(CH_3)_2R^{1b}$ , and  $CH_2R^{1b}$ , provided that  $R^{1a}$   
 forms other than an N-halo, N-S, or N-CN bond;
- 25  $R^{1b}$  is selected from  $CH_3$ ,  $CH_2CH_3$ , F, Cl, Br,  $-CN$ ,  $CF_3$ ,  $OR^2$ ,  
 $NR^2R^{2a}$ ,  $C(O)R^{2b}$ ,  $CO_2R^{2b}$ ,  $CO_2R^{2a}$ ,  $S(O)_pR^2$ ,  $C(O)NR^2R^{2a}$ ,  
 $SO_2NR^2R^{2a}$ ,  $NR^2SO_2R^2$ ,  $C_{3-6}$  carbocycle substituted with  
 0-2  $R^{4b}$ , and 5-6 membered aromatic heterocycle  
 30 consisting of carbon atoms and from 1-4 heteroatoms  
 selected from the group consisting of N, O, and  $S(O)_p$   
 and substituted with 0-2  $R^{4b}$ , provided that  $R^{1b}$  forms  
 other than an O-O, N-halo, N-S, or N-CN bond;

R<sup>2</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>,  
CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, phenyl substituted with 0-1 R<sup>4b</sup>,  
benzyl substituted with 0-1 R<sup>4b</sup>, and 5-6 membered  
aromatic heterocycle substituted with 0-1 R<sup>4b</sup> and  
5 consisting of: carbon atoms and 1-4 heteroatoms  
selected from the group consisting of N, O, and S(O)<sub>p</sub>;

R<sup>2a</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>,  
CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, cyclopropyl, benzyl, phenyl  
10 substituted with 0-1 R<sup>4b</sup>, and 5-6 membered aromatic  
heterocycle substituted with 0-1 R<sup>4b</sup> and consisting of:  
carbon atoms and 1-4 heteroatoms selected from the  
group consisting of N, O, and S(O)<sub>p</sub>;

15 alternatively, R<sup>2</sup> and R<sup>2a</sup>, together with the nitrogen atom  
to which they are attached, combine to form a 3-6  
membered saturated, partially saturated or unsaturated  
ring substituted with 0-1 R<sup>4b</sup> and consisting of: 0-1  
additional heteroatoms selected from the group  
20 consisting of N, O, and S(O)<sub>p</sub>;

R<sup>2b</sup>, at each occurrence, is selected from OH, OCH<sub>3</sub>, OCH<sub>2</sub>CH<sub>3</sub>,  
OCH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, OCH(CH<sub>3</sub>)<sub>2</sub>, C<sub>1-5</sub> alkyl substituted with 0-3  
R<sup>4b</sup>, benzyl, C<sub>3-6</sub> carbocycle substituted with 0-2 R<sup>4b</sup>,  
25 and 4-6 membered aromatic heterocycle substituted with  
0-1 R<sup>4b</sup> and consisting of: carbon atoms and 1-4  
heteroatoms selected from the group consisting of N,  
O, and S(O)<sub>p</sub>;

30 R<sup>2c</sup>, at each occurrence, is selected from OH, OCH<sub>3</sub>, OCH<sub>2</sub>CH<sub>3</sub>,  
OCH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, OCH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>,  
benzyl, phenyl substituted with 0-1 R<sup>4b</sup>, and 5-6  
membered aromatic heterocycle substituted with 0-1 R<sup>4b</sup>  
and consisting of carbon atoms and from 1-4



heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

5 R<sup>2d</sup>, at each occurrence, is selected from H, R<sup>4c</sup>, C<sub>1-4</sub> alkyl substituted with 0-2 R<sup>4c</sup>, C<sub>3-6</sub> carbocycle substituted with 0-2 R<sup>4c</sup>, -(CH<sub>2</sub>)-C<sub>3-6</sub> carbocycle substituted with 0-2 R<sup>4c</sup>, 5-6 membered heterocycle substituted with 0-2 R<sup>4c</sup> and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, and -(CH<sub>2</sub>)-5-6 membered heterocycle substituted with 0-2 R<sup>4c</sup> and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, provided that R<sup>2d</sup> forms other than a N-halo, N-C-halo, S(O)<sub>p</sub>-halo, O-halo, N-S, S-N, S(O)<sub>p</sub>-S(O)<sub>p</sub>, S-O, O-N, O-S, or O-O moiety;

10

15

R<sup>2e</sup>, at each occurrence, is selected from H, R<sup>4c</sup>, C<sub>1-4</sub> alkyl substituted with 0-2 R<sup>4c</sup>, C<sub>3-6</sub> carbocycle substituted with 0-2 R<sup>4c</sup>, -(CH<sub>2</sub>)-C<sub>3-6</sub> carbocycle substituted with 0-2 R<sup>4c</sup>, 5-6 membered heterocycle substituted with 0-2 R<sup>4c</sup> and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, and -(CH<sub>2</sub>)-5-6 membered heterocycle substituted with 0-2 R<sup>4c</sup> and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, provided that R<sup>2e</sup> forms other than a C(O)-halo or C(O)-S(O)<sub>p</sub> moiety;

20

25

R<sup>4</sup>, at each occurrence, is selected from OH, OR<sup>2</sup>, CH<sub>2</sub>OR<sup>2</sup>, (CH<sub>2</sub>)<sub>2</sub>OR<sup>2</sup>, F, Br, Cl, I, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH(CH<sub>3</sub>)<sub>2</sub>, CH(CH<sub>3</sub>)CH<sub>2</sub>CH<sub>3</sub>, C(CH<sub>3</sub>)<sub>3</sub>, NR<sup>2</sup>R<sup>2a</sup>, CH<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, (CH<sub>2</sub>)<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, CF<sub>3</sub>, and CF<sub>2</sub>CF<sub>3</sub>;

30

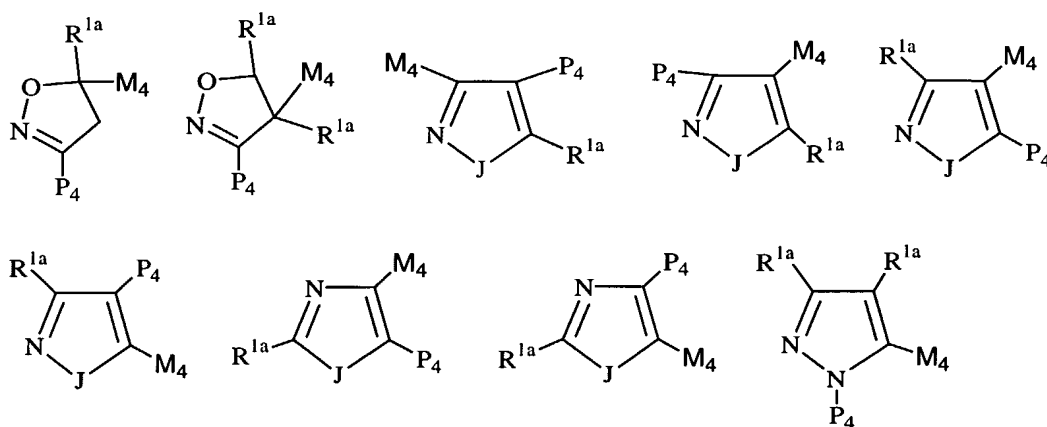
- $R^{4a}$  is selected from  $-(CR^3R^3g)_r$ -5-6 membered carbocycle substituted with 0-3  $R^{4c}$ ,  $-(CR^3R^3g)_r$ -5-6 membered heterocycle substituted with 0-3  $R^{4c}$  and consisting of:
- 5 carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ ,  $(CR^3R^3g)_rNR^{2d}R^{2d}$ ,  $(CR^3R^3g)_rN(\rightarrow O)R^{2d}R^{2d}$ ,  $(CR^3R^3g)_rOR^{2d}$ ,  $(CR^3R^3g)_r-C(O)NR^{2d}R^{2d}$ ,  $(CR^3R^3g)_r-NR^{2d}C(O)R^{2e}$ ,  $(CR^3R^3g)_r-C(O)R^{2e}$ ,  $(CR^3R^3g)_r-NR^{2d}C(O)NR^{2d}R^{2d}$ ,  $(CR^3R^3g)_r-NR^{2d}C(O)OR^{2d}$ ,  $(CR^3R^3g)_r-NR^{2d}SO_2R^{2d}$ , and  $(CR^3R^3g)_r-S(O)_pR^{2d}$ , provided that  $S(O)_pR^{2d}$  forms other than  $S(O)_2H$  or  $S(O)H$ ;
- $R^{4b}$ , at each occurrence, is selected from H,  $=O$ ,  $OR^3$ ,
- 15  $CH_2OR^3$ , F, Cl,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $-CN$ ,  $NO_2$ ,  $NR^3R^{3a}$ ,  $CH_2NR^3R^{3a}$ ,  $C(O)R^3$ ,  $C(O)OR^{3c}$ ,  $NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  $NR^3SO_2-C_{1-4}$  alkyl,  $NR^3SO_2$ -phenyl,  $S(O)_p-C_{1-4}$  alkyl,  $S(O)_p$ -phenyl, and  $CF_3$ ;
- $R^{4c}$ , at each occurrence, is selected from  $=O$ ,  $OR^2$ ,  $CH_2OR^2$ ,
- 20 F, Br, Cl,  $CF_3$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  $CH(CH_3)_2$ ,  $C_{2-3}$  alkenyl,  $C_{2-3}$  alkynyl,  $-CN$ ,  $NO_2$ ,  $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $N(\rightarrow O)R^2R^{2a}$ ,  $CH_2N(\rightarrow O)R^2R^{2a}$ ,  $C(O)R^{2c}$ ,  $CH_2C(O)R^{2c}$ ,  $NR^2C(O)R^{2b}$ ,  $CH_2NR^2C(O)R^{2b}$ ,  $C(O)NR^2R^{2a}$ ,  $CH_2C(O)NR^2R^{2a}$ ,  $SO_2NR^2R^{2a}$ ,  $CH_2SO_2NR^2R^{2a}$ ,  $NR^2SO_2R^{5a}$ ,  $CH_2NR^2SO_2R^{5a}$ ,  $S(O)_pR^{5a}$ ,  $CH_2S(O)_pR^{5a}$ ,  $CF_3$ ,  $CF_2CF_3$ ,  $C_{3-6}$  carbocycle substituted with 0-2  $R^{4b}$ ,  $(CH_2)C_{3-6}$  carbocycle substituted with 0-2  $R^{4b}$ , 5-6 membered heterocycle substituted with 0-2  $R^{4b}$  and consisting of carbon atoms
- 25 and from 1-4 heteroatoms selected from the group consisting of N, O, and  $S(O)_p$ , and  $(CH_2)5-6$  membered heterocycle substituted with 0-2  $R^{4b}$  and consisting of
- 30

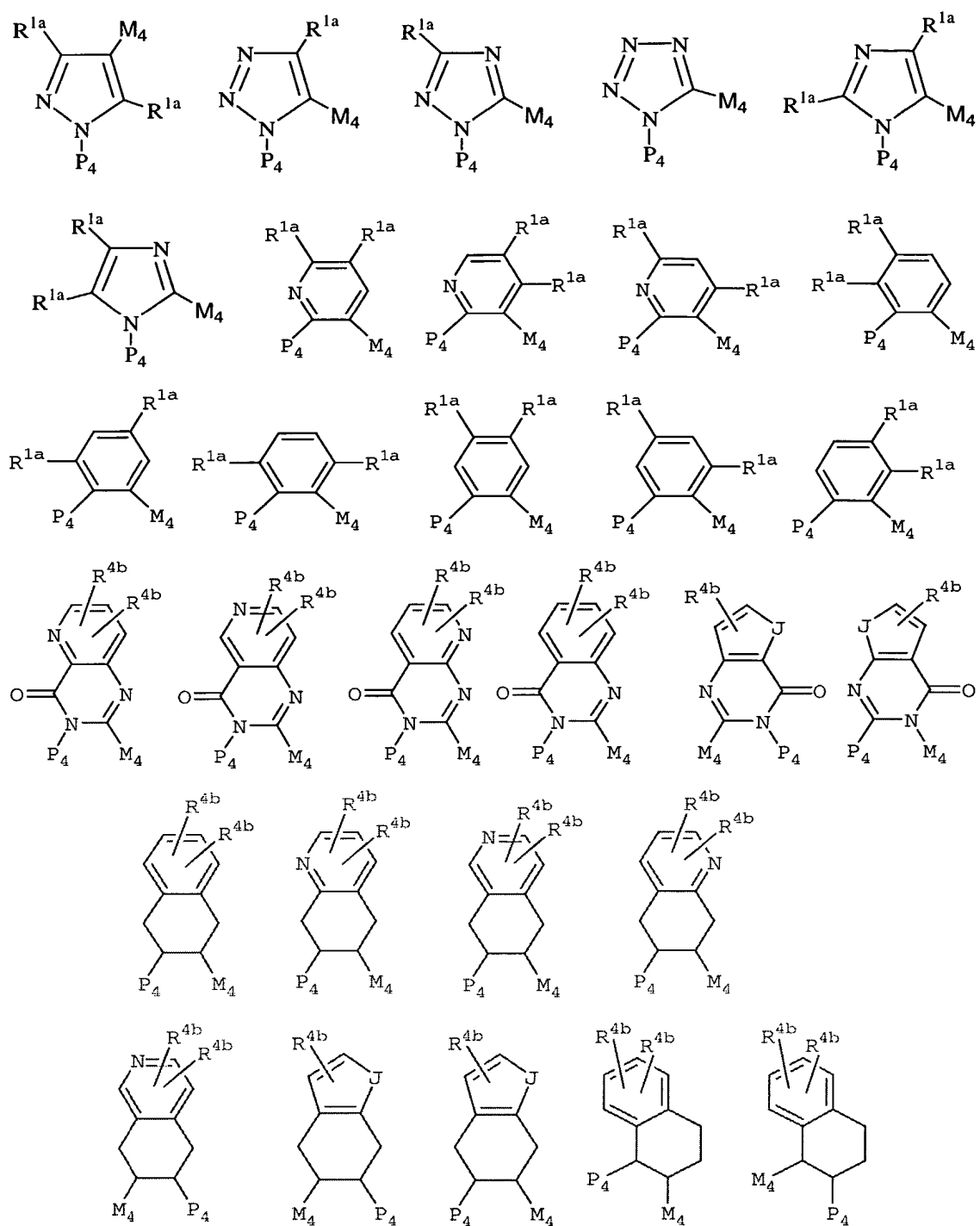
carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

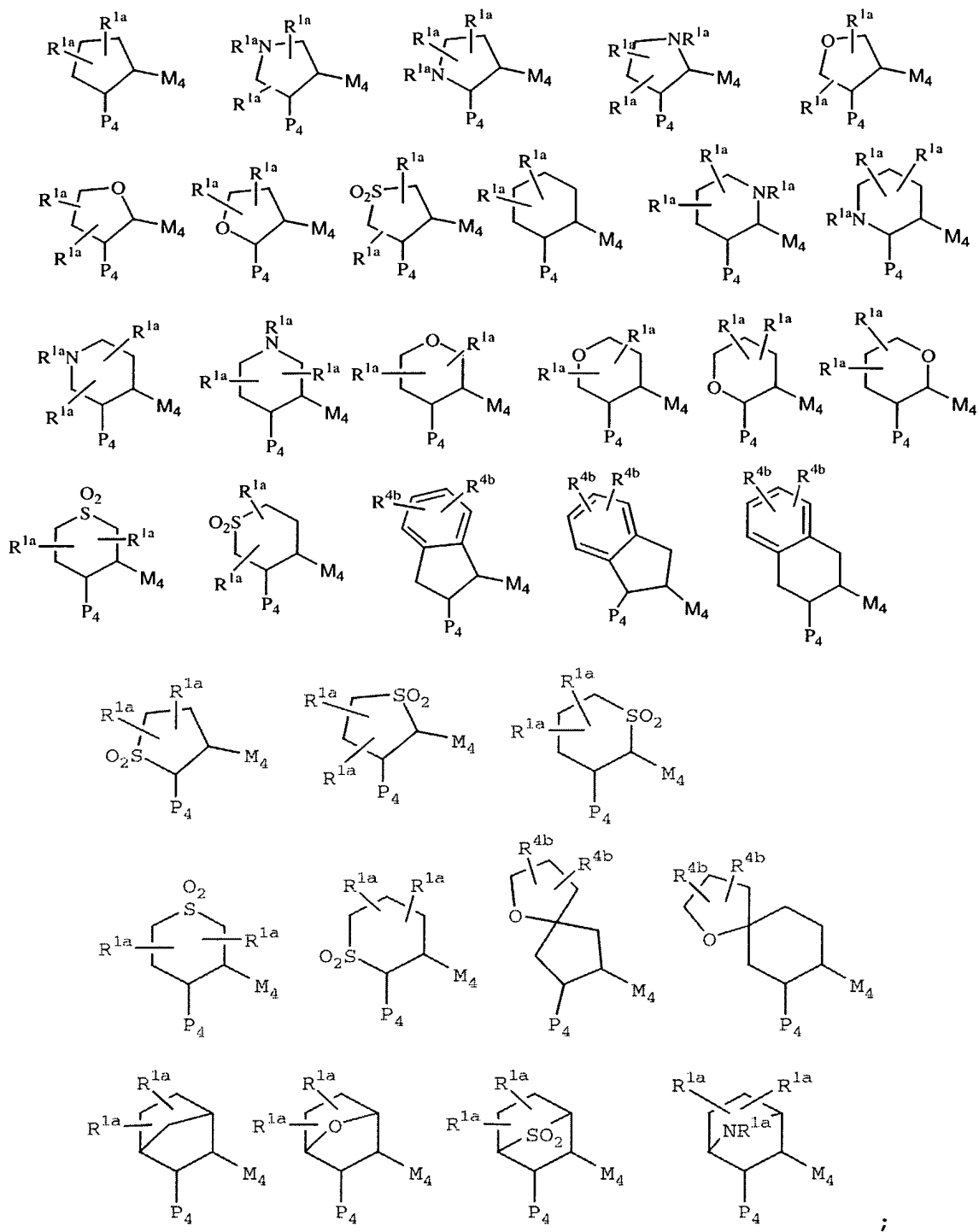
R<sup>5</sup>, at each occurrence, is selected from H, =O, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>,  
 5 CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, OR<sup>3</sup>, CH<sub>2</sub>OR<sup>3</sup>, F, Cl, -CN, NO<sub>2</sub>,  
 NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, C(O)R<sup>3</sup>, C(O)OR<sup>3c</sup>, NR<sup>3</sup>C(O)R<sup>3a</sup>,  
 C(O)NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>SO<sub>2</sub>-C<sub>1-4</sub> alkyl, NR<sup>3</sup>SO<sub>2</sub>-phenyl,  
 S(O)<sub>p</sub>-C<sub>1-4</sub> alkyl, S(O)<sub>p</sub>-phenyl, CF<sub>3</sub>, phenyl substituted  
 with 0-2 R<sup>6</sup>, naphthyl substituted with 0-2 R<sup>6</sup>, and  
 10 benzyl substituted with 0-2 R<sup>6</sup>; and,

R<sup>6</sup>, at each occurrence, is selected from H, OH, OR<sup>2</sup>, F, Cl,  
 CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, -CN, NO<sub>2</sub>, NR<sup>2</sup>R<sup>2a</sup>,  
 CH<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, C(O)R<sup>2b</sup>, CH<sub>2</sub>C(O)R<sup>2b</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, and  
 15 SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>.

[12] In another preferred embodiment, the present invention  
 provides a novel compound, wherein the compound is selected  
 20 from:







J is selected from O, S, NH, and NR<sup>1a</sup>;

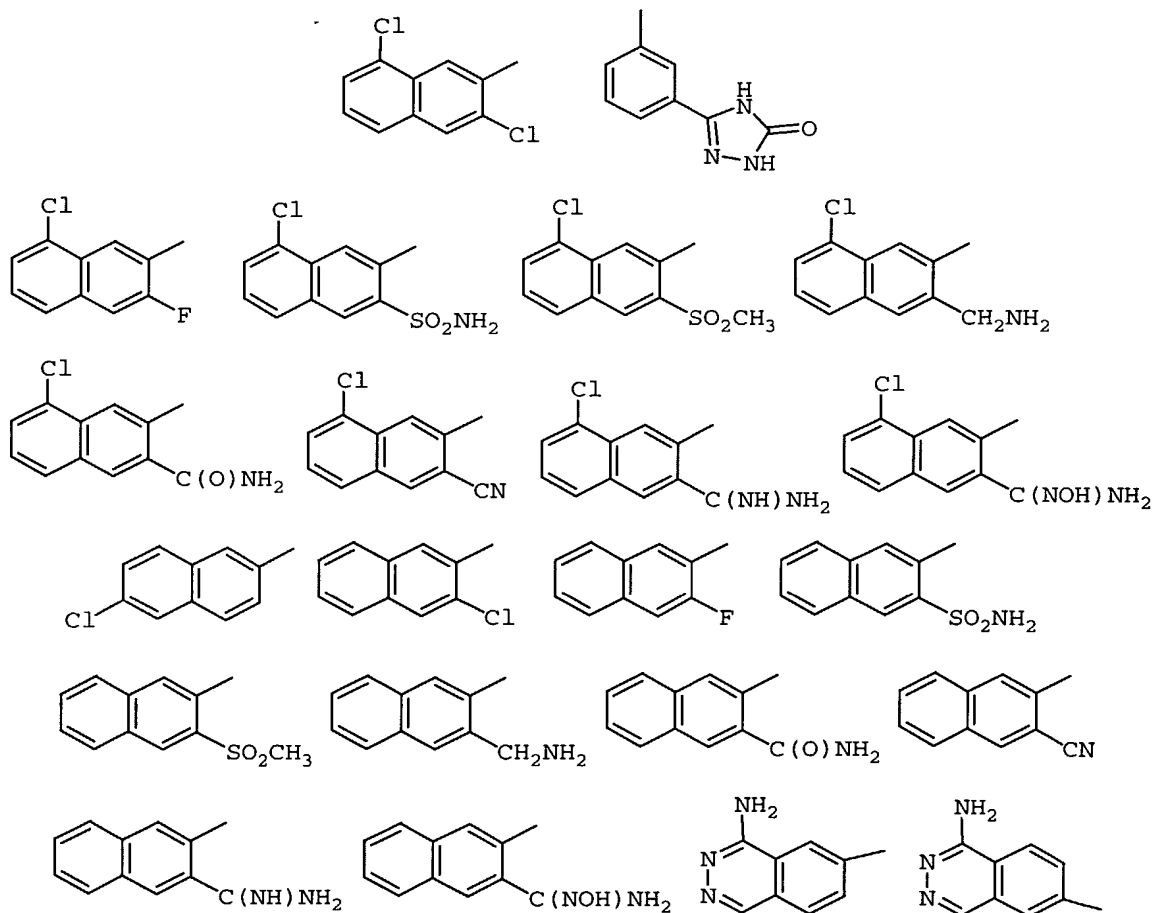
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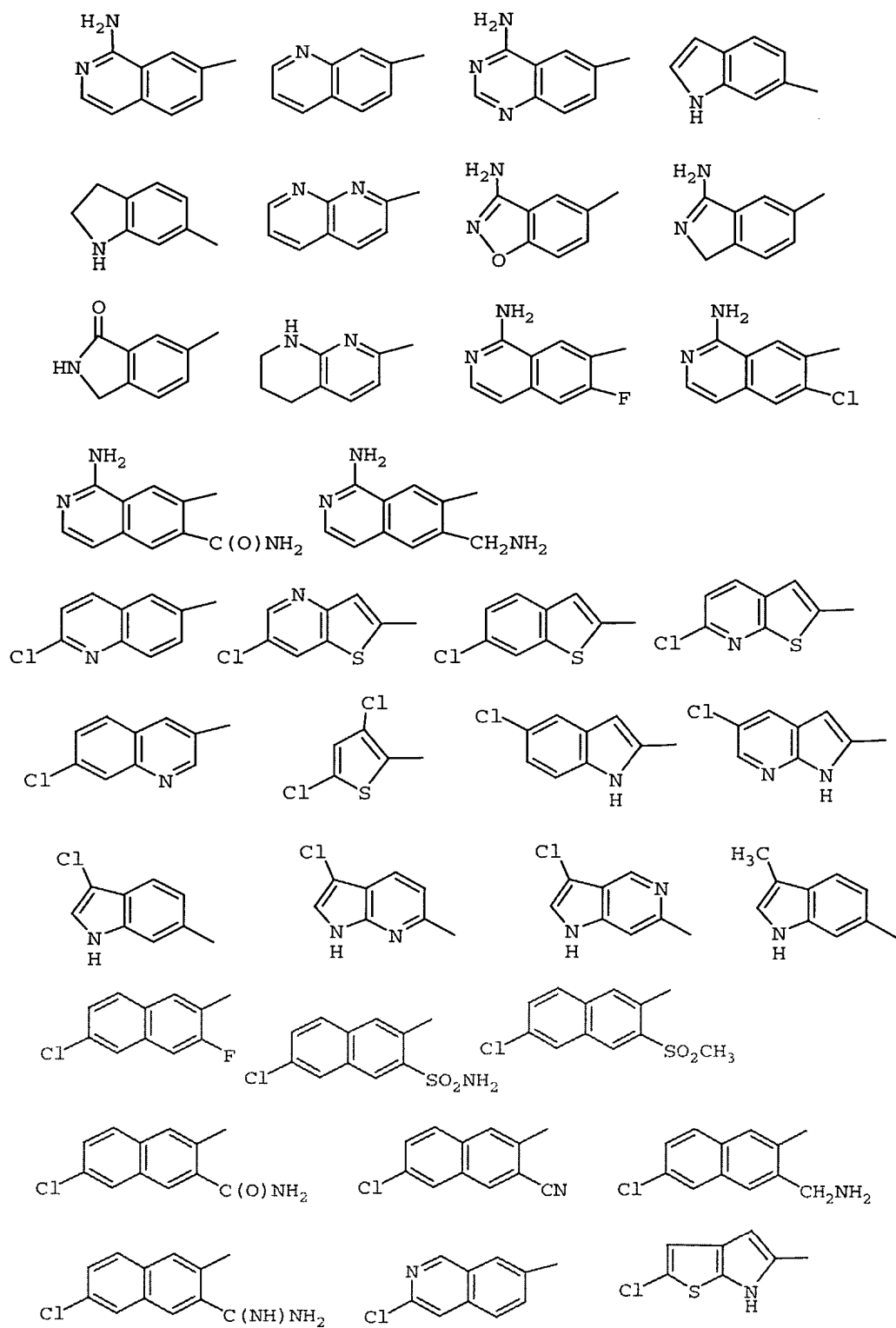
$$P_4 \text{ is } -G_1 - G;$$

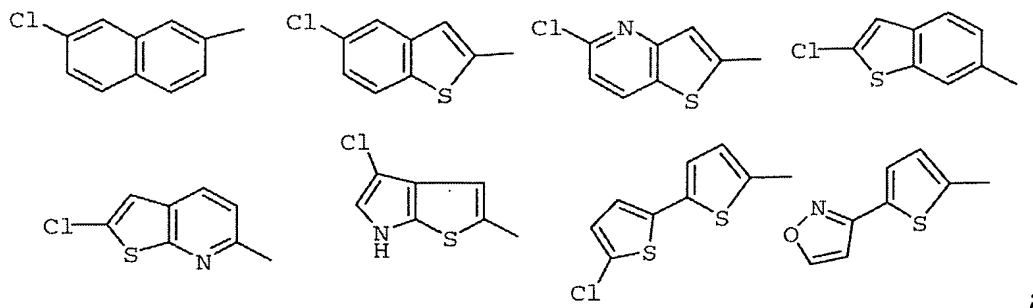
$M_4$  is  $-Z-A-B$ ;

G is selected from:

- 2-amido-4-methoxy-phenyl; 2-amido-phenyl;  
 2-aminomethyl-3-fluoro-phenyl;  
 5 2-aminomethyl-4-fluoro-phenyl;  
 2-aminomethyl-5-fluoro-phenyl;  
 2-aminomethyl-6-fluoro-phenyl; 2-aminomethyl-phenyl;  
 2-amino-pyrid-4-yl; 2-aminosulfonyl-4-methoxy-phenyl;  
 2-aminosulfonyl-phenyl; 3-amido-phenyl;  
 10 3-amino-4-chloro-phenyl; 3-aminomethyl-phenyl;  
 3-chloro-phenyl; 4-chloro-phenyl; 4-methoxy-phenyl;  
 5-chloro-pyrid-2-yl; 5-chloro-thien-2-yl;  
 6-amino-5-chloro-pyrid-2-yl; 6-amino-pyrid-2-yl; 5-chloro-  
 pyrimidin-3-yl; 6-chloro-pyridazin-3-yl;  
 15 2-aminomethyl-4-chloro-phenyl;  
 2-aminosulfonyl-4-chloro-phenyl; 2-amido-4-chloro-phenyl;  
 4-chloro-2-methylsulfonyl-phenyl;







G<sub>1</sub> is absent or is selected from CH=CH, CH<sub>2</sub>NH, NHCH<sub>2</sub>,  
 CH<sub>2</sub>C(O), C(O)CH<sub>2</sub>, C(O)NH, NHC(O), NHC(O)NH, CH<sub>2</sub>S(O)<sub>2</sub>,  
 5 S(O)<sub>2</sub>(CH<sub>2</sub>), SO<sub>2</sub>NH, and NHSO<sub>2</sub>, provided that G<sub>1</sub> does not  
 form a N-S, NCH<sub>2</sub>N, NCH<sub>2</sub>O, or NCH<sub>2</sub>S bond with either  
 group to which it is attached;

A is selected from the group: cyclohexyl, indoliny, 10  
 piperidiny, phenyl, 2-pyridyl, 3-pyridyl, 2-  
 pyrimidyl, 2-Cl-phenyl, 3-Cl-phenyl, 2-F-phenyl, 3-F-  
 phenyl, 2-methylphenyl, 2-aminophenyl, and 2-  
 methoxyphenyl;

15 Y is selected from C(CH<sub>3</sub>)<sub>2</sub>, C(CH<sub>2</sub>CH<sub>3</sub>)<sub>2</sub>, cyclopropyl,  
 cyclobutyl, cyclopentyl, 2-cyclopentanonyl,  
 cyclohexyl, 2-cyclohexanonyl, pyrrolidiny (attached  
 to A and R<sup>4a</sup> at the 2-position), pyrrolidiny (attached  
 to A and R<sup>4a</sup> at the 3-position), 2-pyrrolidinonyl  
 20 (attached to A and R<sup>4a</sup> at the 3-position), piperidiny  
 (attached to A and R<sup>4a</sup> at the 4-position), 4-  
 piperidinonyl (attached to A and R<sup>4a</sup> at the 3-position),  
 tetrahydrofuranyl, and tetrahydropyranyl (attached to  
 A and R<sup>4a</sup> at the 4-position);

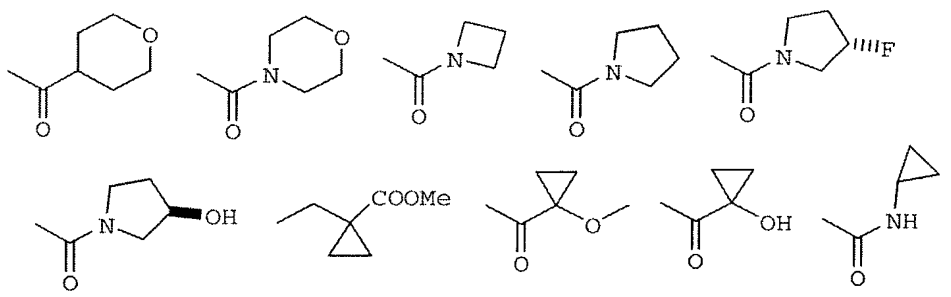
25

R<sup>1a</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>,  
 CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>F, CH<sub>2</sub>Cl, Br, CH<sub>2</sub>Br, -CN, CH<sub>2</sub>CN, CF<sub>3</sub>,  
 CH<sub>2</sub>CF<sub>3</sub>, OCH<sub>3</sub>, CH<sub>2</sub>OH, C(CH<sub>3</sub>)<sub>2</sub>OH, CH<sub>2</sub>OCH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>OCH<sub>3</sub>,  
 NH<sub>2</sub>, CH<sub>2</sub>NH<sub>2</sub>, NHCH<sub>3</sub>, CH<sub>2</sub>NHCH<sub>3</sub>, N(CH<sub>3</sub>)<sub>2</sub>, CH<sub>2</sub>N(CH<sub>3</sub>)<sub>2</sub>, CO<sub>2</sub>H,



$\text{CH}_2\text{CO}_2\text{H}$ ,  $\text{CH}_2\text{CH}_2\text{CO}_2\text{H}$ ,  $\text{COCH}_3$ ,  $\text{CO}_2\text{CH}_3$ ,  $\text{CH}_2\text{CO}_2\text{CH}_3$ ,  $\text{SCH}_3$ ,  
 $\text{CH}_2\text{SCH}_3$ ,  $\text{S}(\text{O})\text{CH}_3$ ,  $\text{CH}_2\text{S}(\text{O})\text{CH}_3$ ,  $\text{S}(\text{O})_2\text{CH}_3$ ,  $\text{CH}_2\text{S}(\text{O})_2\text{CH}_3$ ,  
 $\text{C}(\text{O})\text{NH}_2$ ,  $\text{CH}_2\text{C}(\text{O})\text{NH}_2$ ,  $\text{SO}_2\text{NH}_2$ ,  $\text{CH}_2\text{SO}_2\text{NH}_2$ ,  $\text{NHSO}_2\text{CH}_3$ ,  
 $\text{CH}_2\text{NHSO}_2\text{CH}_3$ ,  $\text{COCH}_2\text{C}(\text{CH}_3)_3$ ,  $\text{COCH}_2\text{OH}$ ,  $\text{COCH}_2\text{OCH}_3$ ,  
5  $\text{COC}(\text{CH}_3)_2\text{OH}$ ,  $\text{COC}(\text{CH}_3)_2\text{CH}_2\text{OH}$ ,  $\text{COC}(\text{CH}_3)_2\text{CH}_2\text{OCH}_3$ ,  
 $\text{C}(\text{O})\text{OCH}_2\text{CH}_2\text{OCH}_3$ ,  $\text{COCF}_3$ ,  $\text{CO}_2\text{CH}_2\text{CH}_3$ ,  $\text{CO}_2\text{CH}(\text{CH}_3)_2$ ,  
 $\text{CO}_2\text{C}(\text{CH}_3)_3$ ,  $\text{CH}_2\text{CH}_2\text{CO}_2\text{CH}_2\text{CH}_3$ ,  $\text{CONH}(\text{CH}_3)$ ,  $\text{CONH}(\text{CH}_2\text{CH}_3)$ ,  
 $\text{CONHC}(\text{CH}_3)_3$ ,  $\text{CON}(\text{CH}_3)_2$ ,  $\text{CON}(\text{CH}_3)(\text{CH}_2\text{CH}_3)$ ,  
 $\text{CON}(\text{CH}_3)\text{CH}(\text{CH}_3)_2$ ,  $\text{CH}_2\text{CON}(\text{CH}_3)_2$ ,  $\text{C}(\text{O})$ -phenyl,  $\text{C}(\text{O})$ -  
10 cyclopropyl,  $\text{C}(\text{O})$ -cyclobutyl,  $\text{C}(\text{O})$ -cyclopentyl,  
pyridin-2-yl, pyridin-3-yl, pyridin-4-yl, pyridin-2-  
yl-N-oxide, pyridin-3-yl-N-oxide, pyridin-4-yl-N-  
oxide, imidazol-1-yl,  $\text{CH}_2$ -imidazol-1-yl, 4-methyl-  
oxazol-2-yl, 4-N,N-dimethylaminomethyl-oxazol-2-yl,  
15 1,2,3,4-tetrazol-1-yl, 1,2,3,4-tetrazol-5-yl,  $\text{CH}_2$ -  
1,2,3,4-tetrazol-1-yl, and  $\text{CH}_2$ -1,2,3,4-tetrazol-5-yl,  
provided that  $\text{R}^{1a}$  forms other than an N-halo, N-S, or  
N-CN bond;

20 alternatively,  $\text{R}^{1a}$  is selected from:



$\text{R}^2$ , at each occurrence, is selected from H,  $\text{CH}_3$ ,  $\text{CH}_2\text{CH}_3$ ,  
 $\text{CH}_2\text{CH}_2\text{CH}_3$ ,  $\text{CH}(\text{CH}_3)_2$ , phenyl substituted with 0-1  $\text{R}^{4b}$ ,  
25 benzyl substituted with 0-1  $\text{R}^{4b}$ , and 5 membered  
aromatic heterocycle substituted with 0-1  $\text{R}^{4b}$  and  
consisting of: carbon atoms and 1-4 heteroatoms  
selected from the group consisting of N, O, and  $\text{S}(\text{O})_p$ ;

R<sup>2a</sup>, at each occurrence, is selected from H, CH<sub>3</sub>, and CH<sub>2</sub>CH<sub>3</sub>;

5 alternatively, R<sup>2</sup> and R<sup>2a</sup>, together with the nitrogen atom to which they are attached, combine to form a 3-6 membered saturated, partially saturated or unsaturated ring substituted with 0-1 R<sup>4b</sup> and consisting of: 0-1 additional heteroatoms selected from the group  
10 consisting of N, O, and S(O)<sub>p</sub>;

R<sup>2b</sup>, at each occurrence, is selected from OH, OCH<sub>3</sub>, OCH<sub>2</sub>CH<sub>3</sub>, CH<sub>3</sub>, and CH<sub>2</sub>CH<sub>3</sub>;

15 R<sup>2c</sup>, at each occurrence, is selected from OH, OCH<sub>3</sub>, OCH<sub>2</sub>CH<sub>3</sub>, CH<sub>3</sub>, and CH<sub>2</sub>CH<sub>3</sub>;

R<sup>2d</sup>, at each occurrence, is selected from H, R<sup>4c</sup>, C<sub>1-4</sub> alkyl substituted with 0-2 R<sup>4c</sup>, C<sub>3-6</sub> cycloalkyl substituted  
20 with 0-2 R<sup>4c</sup>, phenyl substituted with 0-2 R<sup>4c</sup>, and 5-6 membered aromatic heterocycle substituted with 0-2 R<sup>4c</sup> consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, provided that R<sup>2d</sup> forms other than a N-halo, N-C-halo,  
25 S(O)<sub>p</sub>-halo, O-halo, N-S, S-N, S(O)<sub>p</sub>-S(O)<sub>p</sub>, S-O, O-N, O-S, or O-O moiety;

R<sup>2e</sup>, at each occurrence, is selected from H, R<sup>4c</sup>, C<sub>1-4</sub> alkyl substituted with 0-2 R<sup>4c</sup>, C<sub>3-6</sub> cycloalkyl substituted  
30 with 0-2 R<sup>4c</sup>, phenyl substituted with 0-2 R<sup>4c</sup>, and 5-6 membered aromatic heterocycle substituted with 0-2 R<sup>4c</sup> and consisting of: carbon atoms and 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>,

provided that  $R^{2e}$  forms other than a  $C(O)$ -halo or  $C(O)$ - $S(O)_p$  moiety;

- $R^{4a}$  is selected from  $-(CH_2)_r$ -5-6 membered carbocycle  
 5 substituted with 0-3  $R^{4c}$ ,  $-(CH_2)_r$ -5-6 membered  
 heterocycle substituted with 0-3  $R^{4c}$  and consisting of:  
 carbon atoms and 1-4 heteroatoms selected from the  
 group consisting of N, O, and  $S(O)_p$ ,  $(CH_2)_rNR^{2d}R^{2d}$ ,  
 $(CH_2)_rN(\rightarrow O)R^{2d}R^{2d}$ ,  $(CH_2)_rOR^{2d}$ ,  $(CH_2)_rC(O)NR^{2d}R^{2d}$ ,  
 10  $(CH_2)_r-NR^{2d}C(O)R^{2e}$ ,  $(CH_2)_r-C(O)R^{2e}$ ,  
 $(CH_2)_r-NR^{2d}C(O)NR^{2d}R^{2d}$ ,  $(CH_2)_r-NR^{2d}C(O)OR^{2d}$ ,  
 $(CH_2)_r-NR^{2d}SO_2R^{2d}$ , and  $(CH_2)_r-S(O)_pR^{2d}$ , provided that  
 $S(O)_pR^{2d}$  forms other than  $S(O)_2H$  or  $S(O)H$ ;
- 15  $R^{4b}$ , at each occurrence, is selected from H,  $=O$ ,  $OR^3$ ,  
 $CH_2OR^3$ , F, Cl,  $CH_3$ ,  $CH_2CH_3$ ,  $NR^3R^{3a}$ ,  $CH_2NR^3R^{3a}$ ,  $C(O)R^3$ ,  
 $C(O)OR^{3c}$ ,  $NR^3C(O)R^{3a}$ ,  $C(O)NR^3R^{3a}$ ,  $SO_2NR^3R^{3a}$ ,  
 $NR^3SO_2$ -phenyl,  $S(O)_2CH_3$ ,  $S(O)_2$ -phenyl, and  $CF_3$ ;
- 20  $R^{4c}$ , at each occurrence, is selected from  $=O$ , OH,  $OCH_3$ ,  
 $OCH_2CH_3$ ,  $OCH_2CH_2CH_3$ ,  $OCH(CH_3)_2$ ,  $CH_3$ ,  $CH_2CH_3$ ,  $CH_2CH_2CH_3$ ,  
 $CH(CH_3)_2$ ,  $C_{2-3}$  alkenyl,  $C_{2-3}$  alkynyl,  $CH_2OH$ ,  $CH_2OCH_3$ ,  
 $CH_2OCH_2CH_3$ ,  $CH_2OCH_2CH_2CH_3$ ,  $CH_2OCH(CH_3)_2$ , F, Br, Cl,  $CF_3$ ,  
 $NR^2R^{2a}$ ,  $CH_2NR^2R^{2a}$ ,  $N(\rightarrow O)R^2R^{2a}$ ,  $CH_2N(\rightarrow O)R^2R^{2a}$ ,  $C(O)R^{2c}$ ,  
 25  $CH_2C(O)R^{2c}$ ,  $NR^2C(O)R^{2b}$ ,  $CH_2NR^2C(O)R^{2b}$ ,  $C(O)NR^2R^{2a}$ ,  
 $CH_2C(O)NR^2R^{2a}$ ,  $SO_2NR^2R^{2a}$ ,  $CH_2SO_2NR^2R^{2a}$ ,  $NR^2SO_2R^{5a}$ ,  
 $CH_2NR^2SO_2R^{5a}$ ,  $S(O)_pR^{5a}$ ,  $CH_2S(O)_pR^{5a}$ ,  $CF_3$ , cyclopropyl  
 substituted with 0-1  $R^{4b}$ , cyclobutyl substituted with  
 0-1  $R^{4b}$ , cyclopentyl substituted with 0-1  $R^{4b}$ , phenyl  
 30 substituted with 0-1  $R^{4b}$ ,  $-CH_2$ -cyclopropyl substituted  
 with 0-1  $R^{4b}$ ,  $-CH_2$ -cyclobutyl substituted with 0-1  $R^{4b}$ ,

-CH<sub>2</sub>-cyclopentyl substituted with 0-1 R<sup>4b</sup>, benzyl substituted with 0-2 R<sup>4b</sup>, 5-6 membered aromatic heterocycle substituted with 0-2 R<sup>4b</sup> and consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>, and (CH<sub>2</sub>)<sub>5-6</sub> membered aromatic heterocycle substituted with 0-2 R<sup>4b</sup> and consisting of carbon atoms and from 1-4 heteroatoms selected from the group consisting of N, O, and S(O)<sub>p</sub>;

10

R<sup>5</sup>, at each occurrence, is selected from H, =O, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, OR<sup>3</sup>, CH<sub>2</sub>OR<sup>3</sup>, F, Cl, NR<sup>3</sup>R<sup>3a</sup>, CH<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, C(O)R<sup>3</sup>, C(O)OR<sup>3c</sup>, NR<sup>3</sup>C(O)R<sup>3a</sup>, C(O)NR<sup>3</sup>R<sup>3a</sup>, SO<sub>2</sub>NR<sup>3</sup>R<sup>3a</sup>, NR<sup>3</sup>SO<sub>2</sub>-C<sub>1-4</sub> alkyl, NR<sup>3</sup>SO<sub>2</sub>-phenyl, S(O)<sub>2</sub>-CH<sub>3</sub>, S(O)<sub>2</sub>-phenyl, CF<sub>3</sub>, phenyl substituted with 0-2 R<sup>6</sup>, naphthyl substituted with 0-2 R<sup>6</sup>, and benzyl substituted with 0-2 R<sup>6</sup>; and,

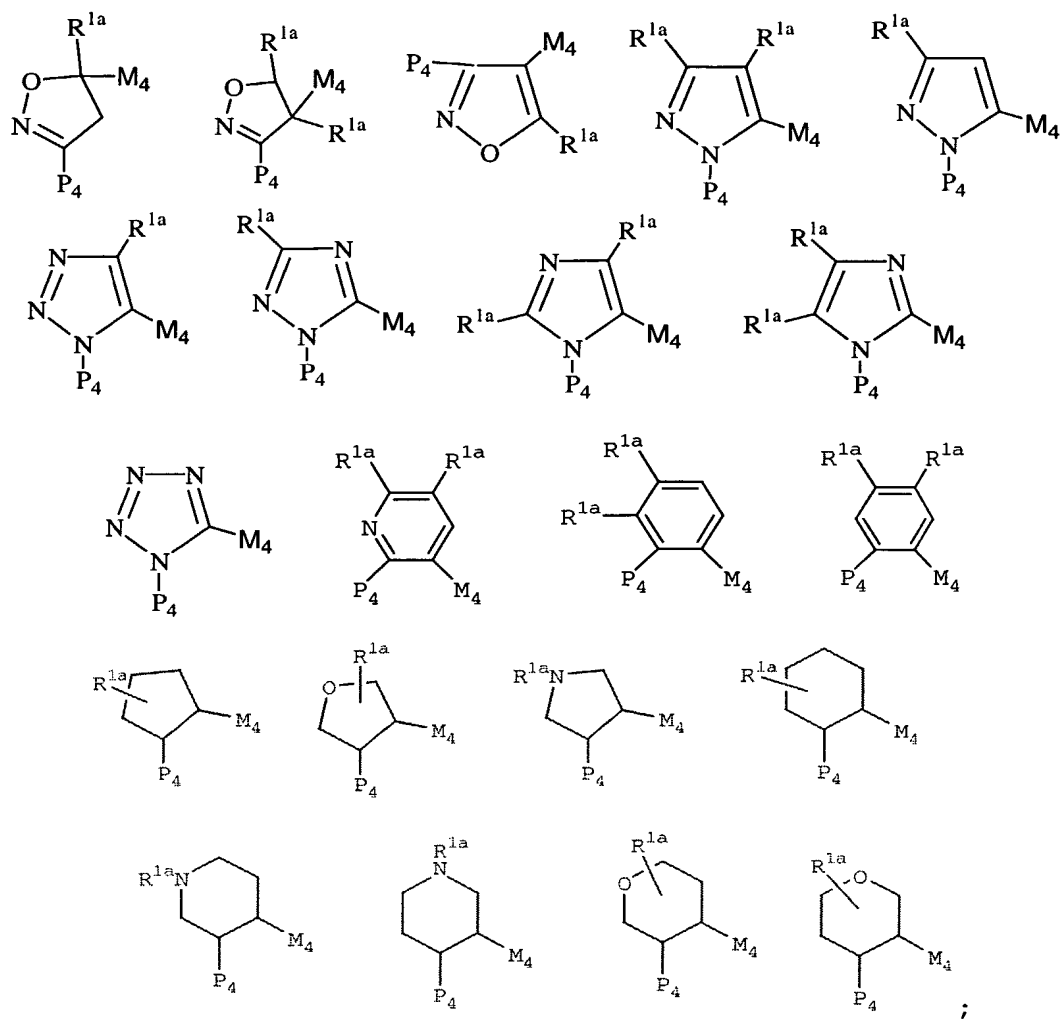
15

R<sup>6</sup>, at each occurrence, is selected from H, OH, OR<sup>2</sup>, F, Cl, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, NR<sup>2</sup>R<sup>2a</sup>, CH<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, C(O)R<sup>2b</sup>, CH<sub>2</sub>C(O)R<sup>2b</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, and SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>.

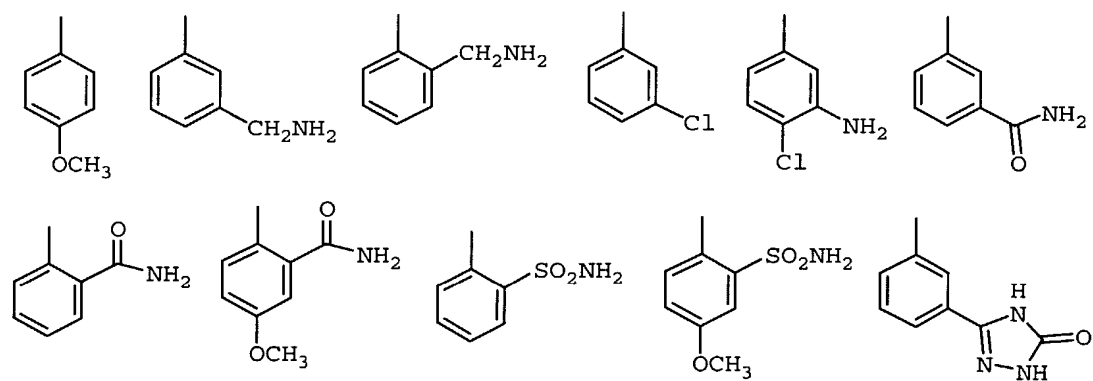
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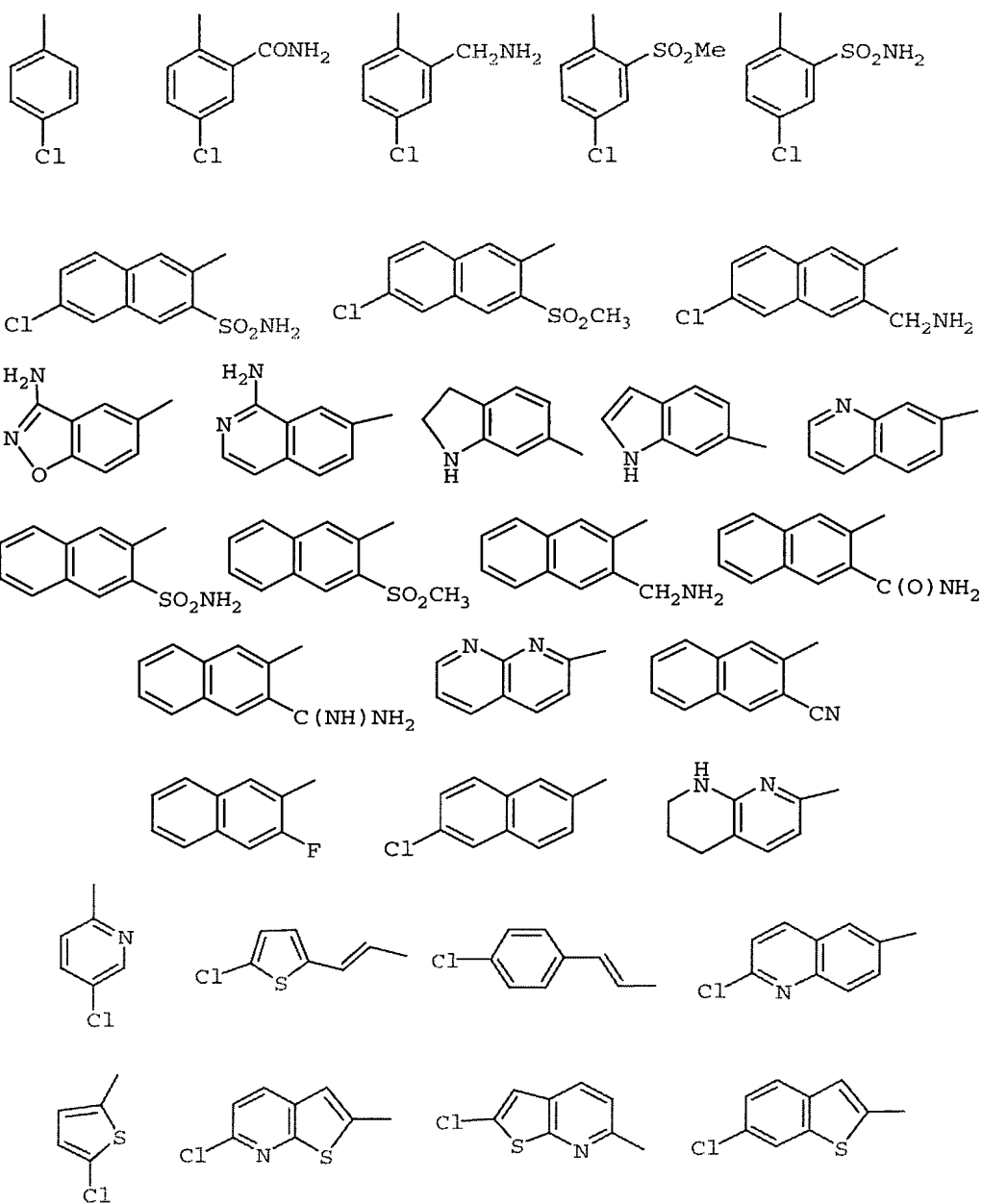
[13] In another preferred embodiment, the present invention provides a novel compound, wherein the compound is selected from:

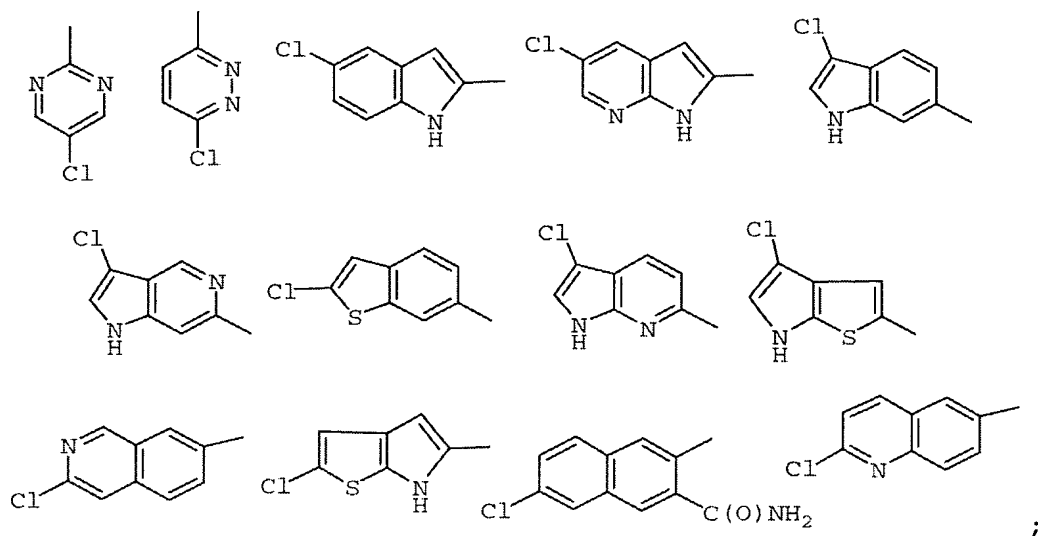
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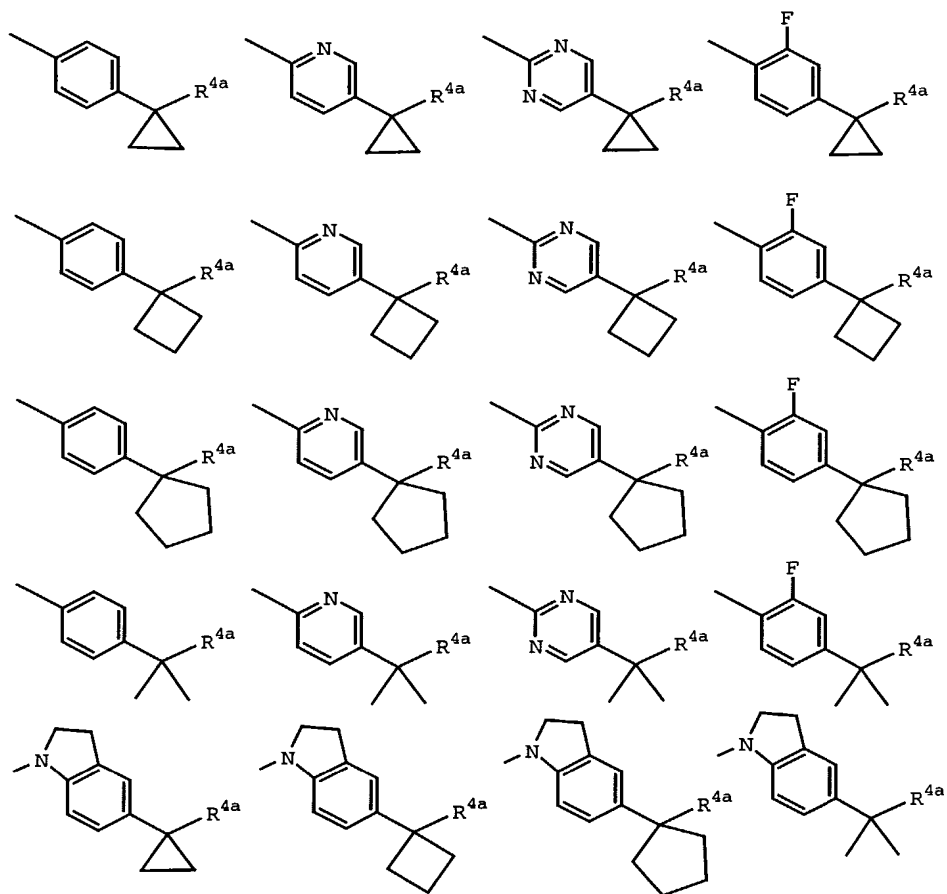
-G<sub>1</sub>-G is selected from:







A-B is selected from:



5

$R^{2d}$ , at each occurrence, is selected from H,  $C_{1-4}$  alkyl substituted with 0-1  $R^{4c}$ ,  $C_{3-6}$  cycloalkyl substituted

with 0-2  $R^{4c}$ , phenyl substituted with 0-2  $R^{4c}$ , and a  
 5-6 membered aromatic heterocycle consisting of:  
 carbon atoms and 1-4 heteroatoms selected from the  
 group consisting of N, O, and  $S(O)_p$ , provided that  $R^{2d}$   
 5 forms other than a N-halo, N-C-halo,  $S(O)_p$ -halo, O-  
 halo, N-S, S-N,  $S(O)_p$ - $S(O)_p$ , S-O, O-N, O-S, or O-O  
 moiety;

$R^{2e}$ , at each occurrence, is selected from H,  $C_{1-4}$  alkyl  
 10 substituted with 0-1  $R^{4c}$ ,  $C_{3-6}$  cycloalkyl substituted  
 with 0-2  $R^{4c}$ , phenyl, substituted with 0-2  $R^{4c}$ , and 5-6  
 membered aromatic heterocycle consisting of: carbon  
 atoms and 1-4 heteroatoms selected from the group  
 consisting of N, O, and  $S(O)_p$ , provided that  $R^{2e}$  forms  
 15 other than a C(O)-halo or C(O)- $S(O)_p$  moiety;

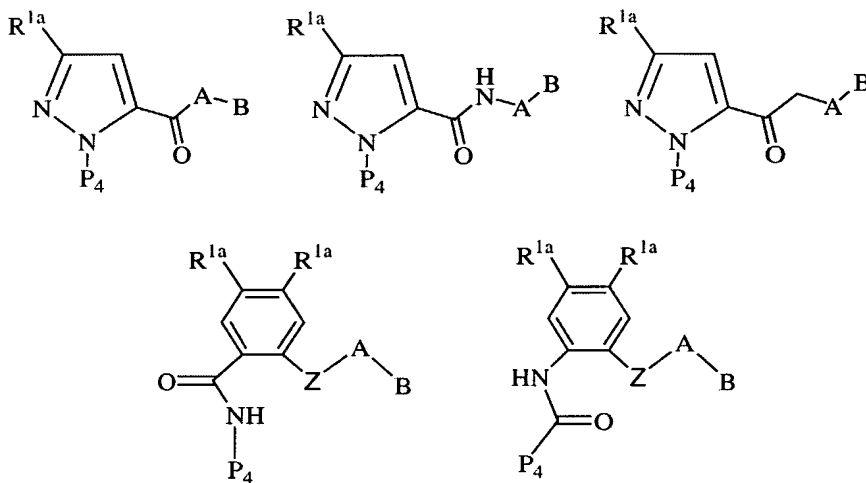
$R^{4a}$  is selected from  $NR^{2d}R^{2d}$ ,  $CH_2NR^{2d}R^{2d}$ ,  $CH_2CH_2NR^{2d}R^{2d}$ ,  
 $N(\rightarrow O)R^{2d}R^{2d}$ ,  $CH_2N(\rightarrow O)R^{2d}R^{2d}$ ,  $CH_2OR^{2d}$ ,  $C(O)R^{2e}$ ,  
 $C(O)NR^{2d}R^{2d}$ ,  $CH_2C(O)NR^{2d}R^{2d}$ ,  $NR^{2d}C(O)R^{2e}$ ,  $CH_2NR^{2d}C(O)R^{2e}$ ,  
 20  $NR^{2d}C(O)NR^{2d}R^{2d}$ ,  $CH_2NR^{2d}C(O)NR^{2d}R^{2d}$ ,  $NR^{2d}C(O)OR^{2d}$ ,  
 $CH_2NR^{2d}C(O)OR^{2d}$ ,  $NR^{2d}SO_2R^{2d}$ ,  $CH_2NR^{2d}SO_2R^{2d}$ ,  $S(O)_pR^{2d}$ ,  
 $CH_2S(O)_pR^{2d}$ , 5-6 membered carbocycle substituted with  
 0-2  $R^{4c}$ ,  $-(CH_2)$ -5-6 membered carbocycle substituted  
 with 0-2  $R^{4c}$ ,  $-(CH_2)_2$ -5-6 membered carbocycle  
 25 substituted with 0-2  $R^{4c}$ , 5-6 membered heterocycle  
 substituted with 0-2  $R^{4c}$  and consisting of: carbon  
 atoms and 1-4 heteroatoms selected from the group  
 consisting of N, O, and  $S(O)_p$ ,  $-(CH_2)$ -5-6 membered  
 heterocycle substituted with 0-2  $R^{4c}$  and consisting of:  
 30 carbon atoms and 1-4 heteroatoms selected from the  
 group consisting of N, O, and  $S(O)_p$ , and  $-(CH_2)_2$ -5-6  
 membered heterocycle substituted with 0-2  $R^{4c}$  and  
 consisting of: carbon atoms and 1-4 heteroatoms

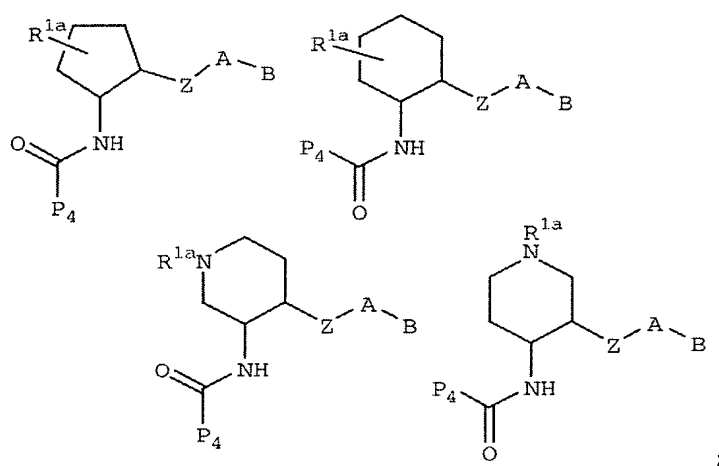


selected from the group consisting of N, O, and S(O)<sub>p</sub>  
provided that S(O)<sub>p</sub>R<sup>2d</sup> forms other than S(O)<sub>2</sub>H or  
S(O)H; and,

- 5 R<sup>4c</sup> is selected from =O, OH, OCH<sub>3</sub>, OCH<sub>2</sub>CH<sub>3</sub>, OCH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>,  
OCH(CH<sub>3</sub>)<sub>2</sub>, CH<sub>3</sub>, CH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>, CH(CH<sub>3</sub>)<sub>2</sub>, CH=CH<sub>2</sub>,  
CH≡CH, CH<sub>2</sub>OH, CH<sub>2</sub>OCH<sub>3</sub>, CH<sub>2</sub>OCH<sub>2</sub>CH<sub>3</sub>, CH<sub>2</sub>OCH<sub>2</sub>CH<sub>2</sub>CH<sub>3</sub>,  
CH<sub>2</sub>OCH(CH<sub>3</sub>)<sub>2</sub>, F, Br, Cl, CF<sub>3</sub>, NR<sup>2</sup>R<sup>2a</sup>, CH<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>,  
C(O)R<sup>2c</sup>, CH<sub>2</sub>C(O)R<sup>2c</sup>, NR<sup>2</sup>C(O)R<sup>2b</sup>, CH<sub>2</sub>NR<sup>2</sup>C(O)R<sup>2b</sup>,  
10 C(O)NR<sup>2</sup>R<sup>2a</sup>, CH<sub>2</sub>C(O)NR<sup>2</sup>R<sup>2a</sup>, SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>, CH<sub>2</sub>SO<sub>2</sub>NR<sup>2</sup>R<sup>2a</sup>,  
NR<sup>2</sup>SO<sub>2</sub>R<sup>5a</sup>, CH<sub>2</sub>NR<sup>2</sup>SO<sub>2</sub>R<sup>5a</sup>, S(O)<sub>p</sub>R<sup>5a</sup>, and CH<sub>2</sub>S(O)<sub>p</sub>R<sup>5a</sup>.

[14] In another preferred embodiment, the present invention  
15 provides a novel compound, wherein the compound is selected  
from:





Z is selected from a  $\text{NHCH}_2$ ,  $\text{C(O)NH}$ ,  $\text{NHC(O)}$ , and  $\text{NHSO}_2$ ; and,

5 A-B is selected from:

